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 aagattacat gcacctgaac gaggacctga gtccttgac gcggcgac accgcggctc 420
 agatcaccca gcgaagtgg gaggcggccc gtgaggcgga gcagctgaga gcctacctgg 480
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 <212> DNA
 <213> Homo sapiens

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 cgagtcggag gacggagccc cgggcgcat ggatagagca ggagggccg gagtattggg 180
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 cgctccgcta ctacaaccag agcgaggccg ggtctcacac ttggcagacg atgtatggct 300
 gcgacgtggg gccggacggg cgctcctcc gcgggcataa ccagtacgcc tacgacggca 360
 aggattacat gcacctgaac gaggacctgc gtccttgac gcggcgac accgcggctc 420
 agatcaccca gcgaagtgg gaggcggccc gtgaggcgga gcagctgaga gcctacctgg 480
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 gcgcgg 546

<210> 935
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 <212> DNA
 <213> Homo sapiens

<400> 935
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 cgagtcggag gacggagacc cgggcgcat ggatagagca ggagggccg gagtattggg 180
 accggaacac acagatcttc aagaccaaca cacagactta ccgagagaac ctgcggatcg 240
 cgctccgcta ctacaaccag agcgaggccg ggtctcacac ttggcagacg atgtatggct 300
 gcgacgtggg gccggacggg cgctcctcc gcgggcataa ccagtacgcc tacgacggca 360
 aagattacat gcacctgaac gaggacctga gtccttgac gcggcgac accgcggctc 420
 agatcaccca gcgaagtgg gaggcggccc gtgaggcgga gcagctgaga gcctacctgg 480
 agggcctgtg cgtggagtgg ctccgcagac acctggagaa cggaaggag acgtgcagc 540
 gcgcgg 546

<210> 936
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 936
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 cgagtcggag gacggagccc cgggcgcat ggatagagca ggagggccg gagtattggg 180
 accggaacac acagatcttc aagaccaaca cacagactta ccgagagaac ctgcggatcg 240
 cgctccgcta ctacaaccag agcgaggccg ggtctcacac ttggcagacg atgtatggct 300
 gcgacgtggg gccggacggg cgctcctcc gcgggcataa ccagtacgcc tacgacggca 360
 aagattacat gcacctgaac gaggacctga gtccttgac gcggcgac accgcggctc 420
 agatcaccca gcgaagtgg gaggcggccc gtgaggcgga gcagctgaga gcctacctgg 480
 agggcctgtg cgtggagtgg ctccgcagac acctggagaa cggaaggag acgtgcagc 540
 gcgcgg 546

<210> 937
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 <212> DNA
 <213> Homo sapiens

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 cgagtccgag gacggagccc cgggcgccat ggatagagca ggaggggccc gagtattggg 180
 accggaacac acagatcttc aagaccaaca cacagactta ccgagagaac ctgcggatcg 240
 cgctccgcta ctacaaccag agcgaggccg ggtctcacac ttggcagacg atgtatggct 300
 gcgacgtggg gccggacggg cgctcctcc gcgggcataa ccagtacgcc tacgacggca 360
 aagattacat cgccctgaac gaggacctga gctcctggac cgcggcggac acccgggctc 420
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 tgaggtgctg ggcctgggc ttctaccctg cggagatcac actgacctgg cagcgggatg 660
 gcgaggacca aactcaggac actgagcttg tggagaccag accagcagga gatagaacct 720
 tccagaagtg ggcagctgtg gtggtgcctt ctggagaaga gcagagatac acatgccatg 780
 tacagcatga ggggctgccg aagccctca ccctgagatg gg 822

<210> 938
 <211> 822
 <212> DNA
 <213> Homo sapiens

<400> 938
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 cgagtccgag gacggagccc cgggcgccat ggatagagca ggaggggccc gagtattggg 180
 accggaacac acagatcttc aagaccaaca cacagactta ccgagagaac ctgcggatcg 240
 cgctccgcta ctacaaccag agcgaggccg ggtctcacac ttggcagacg atgtatggct 300
 gcgacgtggg gccggacggg cgctcctcc gcgggcataa ccagtacgcc tacgacggca 360
 aagattacat cgccctgaac gaggacctga gctcctggac cgcggcggac acccgggctc 420
 agatcaccca gcgcaagtgg gagggcgccc gtgaggcgga gcagctgaga gcctacctgg 480
 agggcctgtg cgtggagtgg ctccgcagac acctggagaa cgggaaggag acgctgcagc 540
 gcgcggaccc ccaaagaca cactgaccc accaccccg tctgacctat gaggccaccc 600
 tgaggtgctg ggcctgggc ttctaccctg cggagatcac actgacctgg cagcgggatg 660
 gcgaggacca aactcaggac actgagcttg tggagaccag accagcagga gatggaacct 720
 tccagaagtg ggcagctgtg gtggtgcctt ctggagaaga gcagagatac acatgccatg 780
 tacagcatga ggggctgccg aagccctca ccctgagatg gg 822

<210> 939
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 939
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 cgagtccgag gacggagccc cgggcgccat ggatagagca ggaggggccc gagtattggg 180
 accggaacac acagatcttc aagaccaaca cacagactta ccgagagaac ctgcggatcg 240
 cgctccgcta ctacaaccag agcgaggccg ggtctcacac ttggcagacg atgtatggct 300
 gcgacgtggg gccggacggg cgctcctcc gcgggcataa ccagtacgcc tacgacggca 360
 aagattacat cgccctgaac gaggacctga gctcctggac cgcggcggac acccgggctc 420
 agatcaccca gcgcaagtgg gagggcgccc gtgtggcgga gcagctgaga gcctacctgg 480
 agggcgagtg cgtggagtgg ctccgcagac acctggagaa cgggaaggag acgctgcagc 540

gcgcgg

546

<210> 940
 <211> 822
 <212> DNA
 <213> Homo sapiens

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 cgagtcgag gacggagccc cgggcgccat ggatagagca ggagggggccg gagtattggg 180
 accggaacac acagatcttc aagaccaaca cacagactta ccgagagaac ctgcggatcg 240
 cgctccgcta ctacaaccag agcgaggccg ggtctcacac ttggcagacg atgtatggct 300
 gcgacgtggg gccggacggg cgctctctcc gcgggcataa ccagtacgcc tacgacggca 360
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 agatcaccca gcgcaagtgg gaggcggccc gtgaggcgga gcagctgaga gcctacctgg 480
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 gcgcggaccc cccaaagaca cactgaccc accaccccg ctctgacct gaggccacc 600
 tgaggtgtg ggcctgggc ttctacctg cggagatcac actgacctg cagcgggatg 660
 gcgaggacca aactcaggac actgagcttg tggagaccag accagcagga gatagaacct 720
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 tacagcatga ggggtgtg aagccctca cctgagatg gg 822

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 <212> DNA
 <213> Homo sapiens

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 cgagtcgag gacggagccc cgggcgccat ggatagagca ggagggggccg gagtattggg 180
 accggaacac acagatcttc aagaccaaca cacagactta ccgagagaac ctgcggatcg 240
 cgctccgcta ctacaaccag agcgaggccg ggtctcacac ttggcagacg atgtatggct 300
 gcgacgtggg gccggacggg cgctctctcc gcgggcataa ccagtacgcc tacgacggca 360
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 agatcaccca gcgcaagtgg gaggcggccc gtgaggcgga gcagctgaga gcctacctgg 480
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 gcgcgg 546

<210> 942
 <211> 546
 <212> DNA
 <213> Homo sapiens

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 cgagtcgag gacggagccc cgggcgccat ggatagagca ggagggggccg gagtattggg 180
 accggaacac acagatcttc aagaccaaca cacagactta ccgagagaac ctgcggatcg 240
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 gcgacgtggg gccggacggg cgctctctcc gcgggcataa ccagtacgcc tacgacggca 360
 aagattacat cgccctgaac gaggacctga gctcctggac cgcgccggac accgcggctc 420
 agatcaccca gcgcaagtgg gaggcggccc gtgaggcgga gcagctgaga gcctacctgg 480
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 gcgcgg 546

<210> 943
 <211> 1017
 <212> DNA
 <213> Homo sapiens

<400> 943
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 gagacctggg cgggtccca ctccatgagg tatttctaca ccgcatgtc cggccccggc 120
 cgcgggggagc ccgcttcat cgcagtgggc tacgtggagc acaccagtt cgtgaggttc 180
 gcagcgcagc ccgcgagtc gaggacggag ccccgggcgc catggataga gcaggagggg 240
 ccggagtatt gggaccggga gacacagatc tccaagacca acacacagac ttaccgagag 300
 aacctgcgga tcgcgtccg ctactacaac cagagcgagg ccgggtctca cacttggcag 360
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 gcctacgacg gcaaagatta catcgccctg aacgaggacc tgagctcctg gaccgcggcg 480
 gacaccgagg ctcagatcac ccagcgcaag tgggaggcgg cccgtgaggc ggagcagctg 540
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 tcttccagc ccaccatccc catcgtgggc attgtgtgct gcctggctgt cctagcagtt 960
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<210> 944
 <211> 993
 <212> DNA
 <213> Homo sapiens

<400> 944
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 gtgggctacg tggacgacac ccagttcgtg aggttcgaca gcgacccgc gactccgagg 180
 acggagcccc gggcgccatg gatagagcag gaggggcccg agtattggga ccgggagaca 240
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 tacaaccaga gcgaggcccg gtctcacact tggcagacga tgtatggctg cgacgtgggg 360
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 <212> DNA
 <213> Homo sapiens

<400> 945
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 cgagtccgag gacggagccg cgggcgccat ggatagagca ggagggggcg gagtattggg 180

accgggagac acagatctcc aagaccaaca cacagactta ccgagagaac ctgcggatcg 240
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 gcgacgtggg gccggacggg cgctcctcc gcgggcataa ccagtacgcc tacgacggca 360
 aagattacat cgccctgaac gaggacctga gtcctggac cgcggcggac accgcggctc 420
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 agggcctgtg cgtggagtgg ctccgcagac acctggagaa cgggaaggag acgctgcagc 540
 gcgcgg 546

<210> 946

<211> 546

<212> DNA

<213> Homo sapiens

<400> 946

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 cgagtcggag gacggagccc cgggcgccat ggatagagca ggaggggccg gattattggg 180
 accgggagac acagatctcc aagaccaaca cacagactta ccgagagaac ttgcggatcg 240
 cgctccgcta ctacaaccag agcgaggccg ggtctcacac ttggcagacg atgtatggct 300
 gcgacgtggg gccggacggg cgctcctcc gcgggcataa ccagtacgcc tacgacggca 360
 aagattacat cgccctgaac gaggacctga gtcctggac cgcggcggac accgcggctc 420
 agatcaccca gcgcaagtgg gaggcggccc gtgaggcgga gcagctgaga gcctacctgg 480
 agggcctgtg cgtggagtgg ctccgcagac acctggagaa cgggaaggag acgctgcagc 540
 gcgcgg 546

<210> 947

<211> 546

<212> DNA

<213> Homo sapiens

<400> 947

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 cgagtcggag gatggcgccc cgggcgccat ggatagagca ggaggggccg gattattggg 180
 accgggagac acagatctcc aagaccaaca cacagactta ccgagagaac ctgcggatcg 240
 cgctccgcta ctacaaccag agcgaggccg ggtctcacac ttggcagacg atgtatggct 300
 gcgacgtggg gccggacggg cgctcctcc gcgggcataa ccagtacgcc tacgacggca 360
 aagattacat cgccctgaac gaggacctga gtcctggac cgcggcggac accgcggctc 420
 agatcaccca gcgcaagtgg gaggcggccc gtgaggcgga gcagctgaga gcctacctgg 480
 agggcctgtg cgtggagtgg ctccgcagac acctggagaa cgggaaggag acgctgcagc 540
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<210> 948

<211> 546

<212> DNA

<213> Homo sapiens

<400> 948

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 cgagtcggag gacggagccc cgggcgccat ggatagagca ggaggggccg gattattggg 180
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 gcgacgtggg gccggacggg cgctcctcc gcgggcataa ccagtacgcc tacgacggca 360
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gcgcgg

546

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 <212> DNA
 <213> Homo sapiens

<400> 949
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 cgcgggggagc ccgcttcat cgcagtgggc tacgtggacg acaccagtt cgtgaggttc 180
 gacagcgacg ccgcgagtc gagagcggag ccccgggcgc catggataga gcaggagggg 240
 ccggagtatt gggaccggga gacacagatc tccaagacca acacacagac ttaccgagag 300
 aacctgcgga tcgcgtccg ctactacaac cagagcgagg ccgggtctca cacttggcag 360
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 gcctacgacg gcaaagatta catcgccctg aacgaggacc tgagctcctg gaccgcggcg 480
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 tcttccagc ccaccatccc catcgtgggc attgtgtgtg gcctggctgt cctagcagtt 960
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 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 950
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 gcgacgtggg gccggacggg cgctctcc cgggcataa ccagtacgc tacgacggca 360
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 agatcaccca gcgaagtgg gaggcggccc gtgaggcgga gcagctgaga gcctacctgg 480
 agggcctgtg cgtggagtgg ctccgcagac acctggagaa cggaaggag acgctgcagc 540
 gcgcgg 546

<210> 951
 <211> 1017
 <212> DNA
 <213> Homo sapiens

<400> 951
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 gagacctggg cgggtccca ctccatgagg tatttttaca ccgcatgtc cggccccggc 120
 cgcgggggagc ccgcttcat cgcagtgggc tacgtggacg acaccagtt cgtgaggttc 180
 gacagcgacg ccgcgagtc gagagcggag ccccgggcgc catggataga gcaggagggg 240
 ccggagtatt gggaccggga cacacagatc tccaagacca acacacagac ttaccgagag 300
 aacctgcgga tcgcgtccg ctactacaac cagagcgagg ccgggtctca catcatccag 360
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 tcttcccagt ccaccatccc catcgtgggc attgtgtctg gcctggctgt cctagcagtt 960
 gtgtcatcg gagctgtggt cgctactgtg atgttagga ggaagagctc aggtgga 1017

<210> 952
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 952
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 cgagtccgag gacggagccc cgggcgcat ggatagagca ggagggggccg gagtattggg 180
 accggaacac acagatcttc aagaccaaca cacagactta ccgagagaac ctgcggatcg 240
 cgctccgcta ctacaaccag agcgaggccg ggtctcacat catccagagg atgtatggct 300
 gcgacctggg gcccgacggg cgcctctcc gcgggcatga ccagtcgcc tacgacggca 360
 aggattacat cgcctgaac gaggacctga gctcctggac cgcggcggac acccgggctc 420
 agatcaccca gcgcaagtgg gaggcgcccc gtgtggcgga gcagctgaga gcctacctgg 480
 agggcctgtg cgtggagtgg ctccgcagac acctggagaa cgggaaggag acgctgcagc 540
 gcgcgg 546

<210> 953
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 953
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 gcttcatcgc agtgggctac gtggacgaca ccagttcgt gaggttcgac agcgacgcc 120
 cgagtccgag gacggagccc cgggcgcat ggatagagca ggagggggccg gagtattggg 180
 accggaacac acagatcttc aagaccaaca cacagactta ccgagaggac ctgcggaccc 240
 tgctccgcta ctacaaccag agcgaggccg ggtctcacat catccagagg atgtatggct 300
 gcgacctggg gcccgacggg cgcctctcc gcgggcatga ccagtcgcc tacgacggca 360
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 agatcaccca gcgcaagtgg gaggcgcccc gtgtggcgga gcagctgaga gcctacctgg 480
 agggcctgtg cgtggagtgg ctccgcagat acctggagaa cgggaaggag acgctgcagc 540
 gcgcgg 546

<210> 954
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 954
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 cgagtccgag gacggagccc cgggcgcat ggatagagca ggagggggccg gagtattggg 180
 accggaacac acagatcttc aagaccaaca cacagactta ccgagagaac ctgcggatcg 240
 cgctccgcta ctacaaccag agcgaggccg ggtctcacat catccagagg atgtatggct 300
 gcgacctggg gcccgacggg cgcctctcc gcgggcatga ccagttcgcc tacgacggca 360
 aggattacat cgcctgaac gaggacctga gctcctggac cgcggcggac acccgggctc 420

agatcaccca gcgcaagtgg gaggcggccc gtgtggcgga gcagctgaga gcctacctgg 480
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 gcgcgg 546

<210> 955
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 955
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 cgagtccgag gacggagccc cgggcgccat ggatagagca ggaggggccc gagtattggg 180
 accggaacac acagatcttc aagaccaaca cacagactta ccgagagagc ctgcggatcg 240
 cgctccgcta ctacaaccag agcgaggccg ggtctcacat catccagagg atgtatggct 300
 gcgacctggg gcccgacggg cgcctcctcc gcgggcatga ccagtccgcc tacgacggca 360
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 agatcaccca gcgcaagtgg gaggcggccc gtgtggcgga gcagctgaga gcctacctgg 480
 agggcctgtg cgtggagtgg ctccgcagat acctggagaa cgggaaggag acgctgcagc 540
 gcgcgg 546

<210> 956
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 956
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 cgagtccgag gacggagccc cgggcgccat ggatagagca ggaggggccc gagtattggg 180
 accggaacac acagatcttc aagaccaaca cacagactta ccgagagAAC ctgcggatcg 240
 cgctccgcta ctacaaccag agcgaggccg ggtctcacat catccagagg atgtatggct 300
 gcgacctggg gcccgacggg cgcctcctcc gcgggcatga ccagtccgcc tacgacggca 360
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 agatcaccca gcgcaagtgg gaggcggccc gtgaggcgga gcagctgaga gcctacctgg 480
 agggcctgtg cgtggagtgg ctccgcagac acctggagaa cgggaaggag acgctgcagc 540
 gcgcgg 546

<210> 957
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 957
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 cgagtccgag gacggagccc cgggcgccat ggatagagca ggaggggccc gagtattggg 180
 accggaacac acagatcttc aagaccaaca cacagactta ccgagagAAC ctgcggatcg 240
 cgctccgcta ctacaaccag agcgaggccg ggtctcacac catccagagg atgtatggct 300
 gcgacgtggg gccggacggg cgcctcctcc gcgggtataa ccagttcgc tacgacggca 360
 aggattacat cgcctgaac gaggacctga gctcctggac cgcggcggac acccgggctc 420
 agatcaccca gcgcaagtgg gaggcggccc gtgtggcgga gcagctgaga gcctacctgg 480
 agggcctgtg cgtggagtgg ctccgcagat acctggagaa cgggaaggag acgctgcagc 540
 gcgcgg 546

<210> 958

<211> 546
 <212> DNA
 <213> Homo sapiens

<400> 958
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 gcttcacgc agtgggctac gtggacgaca ccagttcgt gaggttcgac agcgacgccg 120
 cgagtcgag gacggagccc cgggcgccat ggatagagca ggaggggccg gagtattggg 180
 accggaacac acagatcttc aagaccaaca cacagactta ccgagagaac ctgcggatcg 240
 cgctccgcta ctacaaccag agcgaggccg ggtctcacat catccagagg atgtatggct 300
 gcgacctggg gcccgacggg cgcctctcc gcgggcatga ccagtcgcc tacgacggca 360
 aggattacat cgcctgaac gaggacctga gctcctggac cgcggcggac acccgggctc 420
 agatcaccca gcgcaagtgg gaggcgcccc gtgaggcgga gcagctgaga gcctacctgg 480
 agggcctgtg cgtggagtgg ctccgcagat acctggagaa cggaaggag acgtgcagc 540
 gcgcgg 546

<210> 959
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 959
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 gcttcacgc agtgggctac gtggacgaca ccagttcgt gaggttcgac agcgacgccg 120
 cgagtcgag gacggagccc cgggcgccat ggatagagca ggaggggccg gagtattggg 180
 accggaacac acagatcttc aagaccaaca cacagactta ccgagagaac ctgcgcaccg 240
 cgctccgcta ctacaaccag agcgaggccg ggtctcacat catccagagg atgtatggct 300
 gcgacctggg gcccgacggg cgcctctcc gcgggcatga ccagtcgcc tacgacggca 360
 aggattacat cgcctgaac gaggacctga gctcctggac cgcggcggac acccgggctc 420
 agatcaccca gcgcaagtgg gaggcgcccc gtgtggcgga gcagctgaga gcctacctgg 480
 agggcctgtg cgtggagtgg ctccgcagat acctggagaa cggaaggag acgtgcagc 540
 gcgcgg 546

<210> 960
 <211> 1017
 <212> DNA
 <213> Homo sapiens

<400> 960
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 gagacctggg cgggtccca ctccatgagg tattctaca ccgcatgtc ccggcccgcc 120
 cgcggggagc cccgcttcac cgcagtgggc tacgtggacg acacgcagtt cgtgcggttc 180
 gacagcgacg ccgcgagtc gagaggggag ccgcgggcgc cgtgggtgga gcaggagggg 240
 ccggagtatt gggaccggaa cacacagatc tacaagggc aggcacagac tgaccgagag 300
 agcctgcgga acctgcgagg ctactacaac cagagcgagg ccgggtctca cacttggcag 360
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 gcctacgacg gcaaggatta catgccttg aacgaggacc tgagctcttg gaccgcggcg 480
 gacaccgagg ctcatgac ccagcgcaag tgggaggcgg cccgtgtggc ggagcagctg 540
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 catgaggcca cctgaggtg ctgggccttg gcttctacc ctgcggagat cacaactgacc 720
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 tcttccagt ccaccatccc catcgtgggc attgtgtgtg gcctggctgt cctagcagtt 960
 gtggtcatcg gagctgtggt cgctactgtg atgtgtagga ggaagagctc aggtgga 1017

<210> 961
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 961
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 gcttcatgc agtgggctac gtggacgaca cgcagttcgt gcggttcgac agcgacgccg 120
 cgagtccgag aggggagccg cgggcgccgt ggggtggagca ggaggggccc gagtattggg 180
 accggaacac acagatctac aaggcccagg cacagactga ccgagagagc ctgcggaacc 240
 tgcgcggcta ctacaaccag agcgaggccg ggtctcacac ttggcagacg atgtatggct 300
 gcgacctggg gccggacggg cgctcctcc gcgggcataa ccagttagcc tacgacggca 360
 aggattacat cgccctgaac gaggacctga gctcctggac cgcggcggac acccgggctc 420
 agatcaccca gcgcaagtgg gagggcgccc gtgtggcgga gcagctgaga gcctacctgg 480
 agggcacgtg cgtggagtgg ctccgcagat acctggagaa cggaaggag acgtgcagc 540
 gcgcgg 546

<210> 962
 <211> 1017
 <212> DNA
 <213> Homo sapiens

<400> 962
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 gagacctggg ccggtccca ctccatgagg tatttctaca ccgcatgtc ccggcccggc 120
 cgcggggagc ccgcttcat cgcagtgggc tacgtggacg acacgcagtt cgtgaggttc 180
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 ccgaggtatt gggaccggaa cacacagatc tacaaggccc aggcacagac tgaccgagag 300
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 tcttccagc ccaccatccc catcgtgggc attgttctg gcttggctgt cctagcagtt 960
 gtggtcatcg gagctgtgtg cgctactgtg atgttagga ggaagagctc aggtgga 1017

<210> 963
 <211> 1017
 <212> DNA
 <213> Homo sapiens

<400> 963
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<210> 964
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 964
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 gcgcgg 546

<210> 965
 <211> 546
 <212> DNA
 <213> Homo sapiens

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<210> 966
 <211> 1017
 <212> DNA
 <213> Homo sapiens

<400> 966
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 cgcggggagc ccgcttcat cgagtgggc tacgtggacg acacgcagtt cgtgaggtc 180
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<210> 967
<211> 546
<212> DNA
<213> Homo sapiens

<400> 967
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gcgcgg 546

<210> 968
<211> 546
<212> DNA
<213> Homo sapiens

<400> 968
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cgagtccgag agaggagccg cgggcgccgt ggatagagca ggaggggccc gagtattggg 180
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gcgacctggg gccggacggg cgcctctcc gcgggcataa ccagttagcc tacgacggca 360
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gcgcgg 546

<210> 969
<211> 546
<212> DNA
<213> Homo sapiens

<400> 969
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agatcaccca gcgcaagtgg gagggcgccc gtgaggcgga gcagcggaga gcctacctgg 480
agggcgagtg cgtggagtgg ctccgcagat acctggagaa cggaaggag acgctgcagc 540

gcgcgg

546

<210> 970

<211> 546

<212> DNA

<213> Homo sapiens

<400> 970

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 cgagtccgag agaggagccg cgggcgccgt ggatagagca ggaggggccc gagtattggg 180
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 tgcgcggcta ctacaaccag agcgaggccg ggtctcacac ttggcagacg atgtatggct 300
 gcgacctggg gccggacggg cgcctcctcc gcgggcataa ccagttagcc tacgacggca 360
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 agatcaccca gcgcaagtgg gagggcgccc gtgtggcgga gcagctgaga gcctacctgg 480
 agggcacgtg cgtggagtgg ctccgcagat acctggagaa cgggaaggag acgctgcagc 540
 gcgcgg 546

<210> 971

<211> 546

<212> DNA

<213> Homo sapiens

<400> 971

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 agggcacgtg cgtggagtgg ctccgcagat acctggagaa cgggaaggag acgctgcagc 540
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<210> 972

<211> 1017

<212> DNA

<213> Homo sapiens

<400> 972

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<212> DNA
<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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<211> 1017
<212> DNA
<213> Homo sapiens

<400> 975

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<210> 976
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 976
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<210> 977
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 977
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 agatcaccca gcgcaagtgg gaggcggccc gtgtggcgga gcagctgaga gcctacctgg 480
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<210> 978
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 978

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<210> 979

<211> 546

<212> DNA

<213> Homo sapiens

<400> 979

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agggcctgtg cgtggagtgg ctccgcagat acctggagaa cggaaggag acgctgcagc 540
gcgcgg 546

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<210> 980

<211> 546

<212> DNA

<213> Homo sapiens

<400> 980

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gcgcgg 546

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<210> 981

<211> 546

<212> DNA

<213> Homo sapiens

<400> 981

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cgagtccgag agaggagccg cgggcgccgt ggatagagca ggaggggccc gagtattggg 180
accggaacac acagatctac aaggcccagg cacagactga ccgagagagc ctgcggaacc 240
tgcgcggcta ctacaaccag agcgaggccg ggtctcacat catccagagg atgtatggct 300

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gcgacctggg gcccacggg cgctcctcc ggggcatga ccagtcgcc tacgacggca 360
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 gcgcgg 546

<210> 982
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 982
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 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

<400> 984
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<212> DNA
<213> Homo sapiens

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<212> DNA
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<210> 987
<211> 1017
<212> DNA
<213> Homo sapiens

<400> 987

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<210> 988

<211> 822

<212> DNA

<213> Homo sapiens

<400> 988

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<210> 989

<211> 546

<212> DNA

<213> Homo sapiens

<400> 989

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<210> 990
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 990
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<210> 991
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<210> 992
 <211> 546
 <212> DNA
 <213> Homo sapiens

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 gcgcgg 546

<210> 993
 <211> 546
 <212> DNA
 <213> Homo sapiens

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<210> 994
 <211> 546
 <212> DNA
 <213> Homo sapiens

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<210> 995
 <211> 1017
 <212> DNA
 <213> Homo sapiens

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<210> 996
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 <213> Homo sapiens

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<210> 997
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 <212> DNA
 <213> Homo sapiens

<400> 997
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 agagcctacc tggagggcct gtgcgtggag tggctccgca gatacctgga gaacgggaag 600
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<210> 998
 <211> 546
 <212> DNA
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<400> 998
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<210> 999
 <211> 546
 <212> DNA
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<400> 999
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<210> 1000
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 <212> DNA
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<400> 1000
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<210> 1001
 <211> 1017
 <212> DNA
 <213> Homo sapiens

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<210> 1002
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 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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<210> 1004
 <211> 1017
 <212> DNA
 <213> Homo sapiens

<400> 1004
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<210> 1005

<211> 1020

<212> DNA

<213> Homo sapiens

<400> 1005

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<211> 1017

<212> DNA

<213> Homo sapiens

<400> 1006

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<211> 1017

<212> DNA
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<212> DNA
<213> Homo sapiens

<400> 1008

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<212> DNA
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<212> DNA

<213> Homo sapiens

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<211> 546

<212> DNA

<213> Homo sapiens

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<211> 1017

<212> DNA

<213> Homo sapiens

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SEQUENCE LISTING C

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<130> G10003828C

<150> JP2003-430556

<151> 2003-12-25

<160> 345

<170> PatentIn version 3.2

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<212> DNA

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<400> 5

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<210> 7
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 <212> DNA
 <213> human leukocyte

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gcgcgg 546

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<210> 8
 <211> 546
 <212> DNA
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<210> 9
 <211> 1094
 <212> DNA
 <213> human leukocyte

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<210> 10
 <211> 1094
 <212> DNA
 <213> human leukocyte

<400> 10
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 <212> DNA
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 gcgcgg 546

<210> 12
 <211> 1015
 <212> DNA
 <213> human leukocyte

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<210> 13
 <211> 546
 <212> DNA
 <213> human leukocyte

<400> 13
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<210> 14
<211> 546
<212> DNA
<213> human leukocyte

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gcgcgg 546

<210> 15
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<212> DNA
<213> human leukocyte

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gcgcgg 546

<210> 16
<211> 546
<212> DNA
<213> human leukocyte

<400> 16
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gcgcgg 546

<210> 17
<211> 546
<212> DNA
<213> human leukocyte

<400> 17

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gcgcgg 546

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<210> 18

<211> 1094

<212> DNA

<213> human leukocyte

<400> 18

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<210> 19

<211> 1094

<212> DNA

<213> human leukocyte

<400> 19

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 <212> DNA
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gcgcgg 546

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<212> DNA
<213> human leukocyte

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gcgcgg 546

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<211> 546
<212> DNA
<213> human leukocyte

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gcgcgg 546

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<212> DNA
<213> human leukocyte

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gcgcgg 546

<210> 28
<211> 1015

<212> DNA

<213> human leukocyte

<400> 28

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tcttccagc ccaccatccc catctgggc atcgtgtgtg gcctggctgt cctggctgtc   960
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<210> 29

<211> 546

<212> DNA

<213> human leukocyte

<400> 29

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<210> 30

<211> 546

<212> DNA

<213> human leukocyte

<400> 30

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gcgcggg   546

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<211> 546
 <212> DNA
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<210> 33
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 <212> DNA
 <213> human leukocyte

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<212> DNA
<213> human leukocyte

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gcgcgg 546

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<211> 546
<212> DNA
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gcgcgg 546

<210> 37
<211> 1094
<212> DNA
<213> human leukocyte

<400> 37

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<212> DNA
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gcgcgg 546

<210> 42
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<212> DNA
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<212> DNA
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<400> 44
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gcgcgg 546

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<212> DNA
<213> human leukocyte

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<210> 46
<211> 1094
<212> DNA
<213> human leukocyte

<400> 46

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 <212> DNA
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<210> 48
 <211> 1094
 <212> DNA
 <213> human leukocyte

<400> 48
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<210> 49
 <211> 546
 <212> DNA
 <213> human leukocyte

<400> 49
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<210> 50
 <211> 546
 <212> DNA
 <213> human leukocyte

<400> 50
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<210> 51
 <211> 546
 <212> DNA
 <213> human leukocyte

<400> 51
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<210> 52
<211> 1094
<212> DNA
<213> human leukocyte

<400> 52
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<212> DNA
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<210> 54
<211> 546
<212> DNA
<213> human leukocyte

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546

<210> 55
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 <212> DNA
 <213> human leukocyte

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<400> 56
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<400> 57
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546

<210> 58

<211> 546

<212> DNA

<213> human leukocyte

<400> 58

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<210> 59

<211> 546

<212> DNA

<213> human leukocyte

<400> 59

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<210> 60

<211> 1094

<212> DNA

<213> human leukocyte

<400> 60

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<210> 61
<211> 1094
<212> DNA
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<400> 61
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<211> 1094
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 <212> DNA
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 <211> 546
 <212> DNA
 <213> human leukocyte

<400> 66
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 <211> 1094
 <212> DNA
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ctcatcactt gtaa 1094

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<211> 546
<212> DNA
<213> human leukocyte

<400> 68
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gcgcag 546

<210> 69
<211> 546
<212> DNA
<213> human leukocyte

<400> 69
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gcgcag 546

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<211> 546
<212> DNA
<213> human leukocyte

<400> 70
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<211> 546
<212> DNA
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<400> 71
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<211> 1094
<212> DNA
<213> human leukocyte

<400> 72
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<211> 546
<212> DNA
<213> human leukocyte

<400> 73
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gcgcg 546

<210> 74
<211> 546
<212> DNA
<213> human leukocyte

<400> 74
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<210> 75
<211> 546
<212> DNA
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<400> 75
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gcacag 546

<210> 76
<211> 546
<212> DNA
<213> human leukocyte

<400> 76
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gcgcag 546

<210> 77
<211> 546
<212> DNA
<213> human leukocyte

<400> 77

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<210> 78
 <211> 822
 <212> DNA
 <213> human leukocyte

<400> 78
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<210> 79
 <211> 1094
 <212> DNA
 <213> human leukocyte

<400> 79
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 ctcatcatt gtaa 1094

<210> 80
 <211> 1094
 <212> DNA
 <213> human leukocyte

<400> 80
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<210> 81
 <211> 546
 <212> DNA
 <213> human leukocyte

<400> 81
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 gcgcgg 546

<210> 82
 <211> 1094
 <212> DNA
 <213> human leukocyte

<400> 82
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 ctcacgctt gtaa 1094

<210> 83
 <211> 1094
 <212> DNA
 <213> human leukocyte

<400> 83
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<210> 84
 <211> 546
 <212> DNA
 <213> human leukocyte

<400> 84
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 gcgcgg 546

<210> 85
 <211> 546

<212> DNA

<213> human leukocyte

<400> 85

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gcgcgg 546
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<210> 86

<211> 546

<212> DNA

<213> human leukocyte

<400> 86

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gcgcgg 546
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<210> 87

<211> 546

<212> DNA

<213> human leukocyte

<400> 87

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gcgcgg 546
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<210> 88

<211> 546

<212> DNA

<213> human leukocyte

<400> 88

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cgagtccaag aggggagccg cgggcgccgt gggaggagca ggaggggccc gagtattggg 180
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<210> 89
 <211> 687
 <212> DNA
 <213> human leukocyte

<400> 89
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<210> 90
 <211> 1094
 <212> DNA
 <213> human leukocyte

<400> 90
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<210> 91
 <211> 1094
 <212> DNA

<213> human leukocyte

<400> 91

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<210> 92

<211> 546

<212> DNA

<213> human leukocyte

<400> 92

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<210> 93

<211> 1094

<212> DNA

<213> human leukocyte

<400> 93

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<210> 94
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<400> 94
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gcgcgg 546

<210> 99

<211> 546
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 <213> human leukocyte

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 <212> DNA
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 <212> DNA
 <213> human leukocyte

<400> 104

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<211> 546

<212> DNA

<213> human leukocyte

<400> 105

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<211> 1094

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<213> human leukocyte

<400> 106

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<400> 115

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<212> DNA

<213> human leukocyte

<400> 116

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<211> 546

<212> DNA

<213> human leukocyte

<400> 117

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<400> 120

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<210> 22
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 <212> DNA
 <213> Homo sapiens

<400> 22
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 cgggcggtga cggagctggg gcggcctgct gcggagtact ggaacagcca gaaggacatc 180
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<210> 23
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<400> 23
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 ggcccatgac cctgcagcgc cgagtcc 267

<210> 24
<211> 267
<212> DNA
<213> Homo sapiens

<400> 24
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ggcccatgac cctgcagcgc cgagtcc 267

<210> 25
<211> 264
<212> DNA
<213> Homo sapiens

<400> 25
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tccgggcggt gacggagctg gggcggcctg acgaggagta ctggaacagc cagaaggaca 180
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ggcccatgac cctgcagcgc cgag 264

<210> 26
<211> 263
<212> DNA
<213> Homo sapiens

<400> 26
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ggcccatgac cctgcagcgc cga 263

<210> 27
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<212> DNA
<213> Homo sapiens

<400> 27
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ggcccatgac cctgcagcgc cgag 264

<210> 28
<211> 264
<212> DNA
<213> Homo sapiens

<400> 28
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tcctggagga ggagcgggca gtgccggaca ggatgtgcag acacaactac gagctgggcg	240
ggcccatgac cctgcagcgc cgag	264

<210> 29
 <211> 264
 <212> DNA
 <213> Homo sapiens

<400> 29	
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tcctggagga ggagcgggca gtgccggaca ggatgtgcag acacaactac gagctgggcg	240
ggcccatgac cctgcagcgc cgag	264

<210> 30
 <211> 267
 <212> DNA
 <213> Homo sapiens

<400> 30	
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aggccgtgac cctgcagcgc cgagtcc	267

<210> 31
 <211> 264
 <212> DNA
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<400> 31	
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tcctggagga gaagcgggca gtgccggaca gggtatgcag acacaactac gagctggagc	240
aggccgtgac cctacagcgc cgag	264

<210> 32
 <211> 267
 <212> DNA
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<400> 32	
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tccgggcggt gacggagctg gggcggcctg ctgccggagta ctggaacagc cagaaggaca	180
tcctggagga gaagcgggca gtgccggaca ggatgtgcag acacaactac gagctgggcg	240
ggcccatgac cctgcagcgc cgagtcc	267

<210> 33
 <211> 267
 <212> DNA

<213> Homo sapiens

<400> 33

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tccgggcggt gacggagctg gggcggcctg atgaggagta ctggaacagc cagaaggaca	180
tcctggagga gaagcgggca gtgccggaca ggatgtgcag acacaactac gagctggcg	240
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<210> 34

<211> 264

<212> DNA

<213> Homo sapiens

<400> 34

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tccgggcggt gacggagctg gggcggcctg aggcggagta ctggaacagc cagaaggaca	180
tcctggagga gaagcgggca gtgccggaca ggatgtgcag acacaactac gagctggag	240
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<210> 35

<211> 257

<212> DNA

<213> Homo sapiens

<400> 35

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tcctggagga ggagcgggca gtgccggaca ggatgtgcag acacaactac gagctggag	240
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<210> 36

<211> 249

<212> DNA

<213> Homo sapiens

<400> 36

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gtgacggagc tggggcggcc tgatgaggag tactggaaca gccagaagga catcctggag	180
gaggagcggg cagtgccgga cagggatatgc agacacaact acgagctgga cgaggccgtg	240
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<210> 37

<211> 264

<212> DNA

<213> Homo sapiens

<400> 37

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tccgggcggt gacggagctg gggcggcctg atgaggacta ctggaacagc cagaaggaca	180
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aggccgtgac cctgcagcgc cgag	264

<210> 38
<211> 264
<212> DNA
<213> Homo sapiens

<400> 38
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aggccgtgac cctgcagcgc cgag 264

<210> 39
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<212> DNA
<213> Homo sapiens

<400> 39
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accctgcag 249

<210> 40
<211> 257
<212> DNA
<213> Homo sapiens

<400> 40
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aggccgtgac cctgcag 257

<210> 41
<211> 257
<212> DNA
<213> Homo sapiens

<400> 41
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tccggggcgtt gacggagctg gggcggcctg ctgcggagta ctggaacagc cagaaggaca 180
tcctggagga ggagcgggca gtgccggaca ggatatgcag acacaactac gagctggacg 240
aggccgtgac cctgcag 257

<210> 42
<211> 257
<212> DNA
<213> Homo sapiens

<400> 42
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tccgggcggt gacggagctg gggcggcctg atgaggacta ctggaacagc cagaaggacc 180
tcctggagga gaagcgggca gtgccggaca gggatatgag acacaactac gagctggacg 240
aggccgtgac cctgcag 257

<210> 43
<211> 264
<212> DNA
<213> Homo sapiens

<400> 43
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tccgggcggt gacggagctg gggcggcctg ctgcggagta ctggaacagc cagaaggacc 180
tcctggagga gaggcgggca gtgccggaca ggatgtgcag acacaactac gagctggtcg 240
ggcccatgac cctgcagcgc cgag 264

<210> 44
<211> 264
<212> DNA
<213> Homo sapiens

<400> 44
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aggccgtgac cctgcagcgc cgag 264

<210> 45
<211> 264
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<213> Homo sapiens

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tccgggcggt gacggagctg gggcggcctg atgaggacta ctggaacagc cagaaggaca 180
tcctggagga ggagcgggca gtgccggaca ggatgtgcag acacaactac gagctggacg 240
aggccgtgac cctgcagcgc cgag 264

<210> 46
<211> 249
<212> DNA
<213> Homo sapiens

<400> 46
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gtgacggagc tggggcgccc tgatgaggag tactggaaca gccagaagga catcctggag 180
gagaagcggg cagtgccgga caggatgtgc agacacaact acgagctggt cgggcccattg 240
accctgcag 249

<210> 47
<211> 264
<212> DNA

<213> Homo sapiens

<400> 47

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tccgggcggt gacggagctg gggcggcctg aggcggagta ctggaacagc cagaaggaca	180
tcctggagga ggagcgggca gtgccggaca ggatgtgcag acacaactac gagctggacg	240
aggccgtgac cctgcagcgc cgag	264

<210> 48

<211> 264

<212> DNA

<213> Homo sapiens

<400> 48

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tccgggcggt gacggagctg gggcggcctg atgaggacta ctggaacagc cagaaggacc	180
tcctggagga gaagcgggca gtgccggaca ggatgtgcag acacaactac gagctggacg	240
aggccgtgac cctgcagcgc cgag	264

<210> 49

<211> 263

<212> DNA

<213> Homo sapiens

<400> 49

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tccgggcggt gacggagctg gggcggcctg atgaggacta ctggaacagc cagaaggacc	180
tcctggagga gaagcgggca gtgccggaca ggatgtgcag acacaactac gagctggacg	240
aggccgtgac cctgcagcgt cga	263

<210> 50

<211> 264

<212> DNA

<213> Homo sapiens

<400> 50

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tccgggcggt gacggagctg gggcggcctg aggcggagta ctggaacagc cagaaggaca	180
tcctggagga ggagcgggca gtgccggaca ggatgtgcag acacaactac gagctggacg	240
aggccgtgac cctgcagcgc cgag	264

<210> 51

<211> 264

<212> DNA

<213> Homo sapiens

<400> 51

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tccgggcggt gacggagctg gggcggcctg aggcggagta ctggaacagc cagaaggaca	180
tcctggagga ggagcgggca gtgccggaca ggatgtgcag acacaactac gagctggacg	240
aggccgtgac cctgcagcgc cgag	264

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<211> 264
<212> DNA
<213> Homo sapiens

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ggcccatgac cctgcagcgc cgag 264

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tcctggagga gaagcgggca gtgccggaca ggatgtgcag acacaactac gagctgggcg 240
ggcccatgac cctgcagcgc cgag 264

<210> 54
<211> 264
<212> DNA
<213> Homo sapiens

<400> 54
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tcctggagga gaagcgggca gtgccggaca gggtatgcag acacaactac gagctggacg 240
aggccgtgac cctgcagcgc cgag 264

<210> 55
<211> 256
<212> DNA
<213> Homo sapiens

<400> 55
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accctgcagc gccgag 256

<210> 56
<211> 255
<212> DNA
<213> Homo sapiens

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gtgacggagc tggggcgcc tgctcgagg tactggaaca gccagaagga catcctggag 180
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accctgcagc gccga 255

<210> 57
<211> 264
<212> DNA
<213> Homo sapiens

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aggccgtgac cctgcagcgc cgag 264

<210> 58
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<212> DNA
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ggcccatgac cctgcagcgc cgag 264

<210> 59
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<212> DNA
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<400> 59
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aggccgtgac cctgcagcgc cgag 264

<210> 60
<211> 257
<212> DNA
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<400> 60
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tcctggagga ggagcgggca gtgccggaca ggatgtgcag acacaactac gagctggacg 240
aggccgtgac cctgcag 257

<210> 61
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<212> DNA

<213> Homo sapiens

<400> 61

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tcctggagga gaagcgggca ttgccggaca ggatgtgcag acacaactac gagctggacg	240
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<210> 62

<211> 264

<212> DNA

<213> Homo sapiens

<400> 62

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tccgggcggt gacggagctg gggcggcctg atgagggtgta ctggaacagc cagaaggaca	180
tcctggagga ggagcgggca gtgccggaca ggatgtgcag acacaactac gagctgggcg	240
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<210> 63

<211> 257

<212> DNA

<213> Homo sapiens

<400> 63

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tccgggcggt gacggagctg gggcggcctg ctgcggagta ctggaacagc cagaaggaca	180
tcctggagga ggagcgggca gtgccggaca ggatgtgcag acacaactac gagctgggcg	240
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<211> 257

<212> DNA

<213> Homo sapiens

<400> 64

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tccgggcggt gacggagctg gggcggcctg ctgcggagta ctggaacagc cagaaggacc	180
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<210> 65

<211> 257

<212> DNA

<213> Homo sapiens

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tccgggcggt gacggagctg gggcggcctg atgaggacta ctggaacagc cagaaggaca	180
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<210> 66
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<212> DNA
<213> Homo sapiens

<400> 66
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tccgggcggt gacggagctg gggcggcctg aggcggagta ctggaacagc cagaaggaca 180
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aggccgtgac cctgcagcgc cgag 264

<210> 67
<211> 256
<212> DNA
<213> Homo sapiens

<400> 67
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gtgacggagc tggggcggcc tgatgaggag tactggaaca gccagaagga catcctggag 180
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accctgcagc gccgag 256

<210> 68
<211> 249
<212> DNA
<213> Homo sapiens

<400> 68
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<210> 69
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ggcccatgac cctgcagcgc cga 263

<210> 70
<211> 263
<212> DNA
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<400> 70
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ggcccatgac cctgcagcgc cga 263

<210> 71
<211> 261
<212> DNA
<213> Homo sapiens

<400> 71
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cgggcggtga cggagctggg gccgcctgat gaggagtact ggaacagcca gaaggacttc 180
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<210> 72
<211> 264
<212> DNA
<213> Homo sapiens

<400> 72
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aggccgtgac cctgcagcgc cgag 264

<210> 73
<211> 249
<212> DNA
<213> Homo sapiens

<400> 73
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accctgcag 249

<210> 74
<211> 264
<212> DNA
<213> Homo sapiens

<400> 74
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tcctggagga ggagcgggca gtgccggaca ggatgtgcag acacaactac gagctgggcg 240
ggcccatgac cctgcagcgc cgag 264

<210> 75
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<212> DNA

<213> Homo sapiens

<400> 75

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tccgggcggt gacggagctg gggcggcctg aggcggagta ctggaacagc cagaaggaca	180
tcctggagga ggagcgggca gtgccggaca ggatgtgcag acacaactac gagctgggcg	240
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<210> 76

<211> 255

<212> DNA

<213> Homo sapiens

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cgggcggtga cggagctggg gcggcctgat gaggagtact ggaacagcca gaaggacatc	180
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<211> 255

<212> DNA

<213> Homo sapiens

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cgggcggtga cggagctggg gcggcctgat gaggagtact ggaacagcca gaaggacatc	180
ctggaggaga agcgggcagt gccggacagg atgtgcagac acaactacga gctgggcggg	240
cccatgacc tgag	255

<210> 78

<211> 255

<212> DNA

<213> Homo sapiens

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cgggcggtga cggagctggg gcggcctgat gaggactact ggaacagcca gaaggacctc	180
ctggaggaga agcgggcagt gccggacagg gtatgcagac acaactacga gctggacgag	240
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<210> 79

<211> 264

<212> DNA

<213> Homo sapiens

<400> 79

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tcttgagga gaagcgggca gtgccggaca ggatgtgcag acacaactac gagctgggcg	240
ggcccatgac cctgcagcgc cgag	264

<210> 80
<211> 257
<212> DNA
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tcttgaggga gaagcgggca gtgccggaca gggatgacag acacaactac gagctggacg 240
aggccgtgac cctgcag 257

<210> 81
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ggcccatgac cctgcag 257

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<212> DNA
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<400> 82
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tccgggcggt gacggagctg gggcggcctg aggcggagta ctggaacagc cagaaggaca 180
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aggccgtgac cctgcag 257

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aggccgtgac cctgcag 257

<210> 84
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<212> DNA
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gtgacggagc tggggcgccc tgctcggag tactggaaca gccagaagga cctcctggag 180
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accctgcag 249

<210> 85
<211> 238
<212> DNA
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<210> 86
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<212> DNA
<213> Homo sapiens

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cgggcggtga cggagctggg gcggcctgct gcggagtact ggaacagcca gaaggacatc 180
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gccgtgaccc tgcag 255

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<211> 257
<212> DNA
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ggcccatgac cctgcag 257

<210> 88
<211> 257
<212> DNA
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ggcccatgac cctgcag 257

<210> 89
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<400> 89

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tccgggcggt gacggagctg gggcggcctg atgaggacta ctggaacagc cagaaggacc	180
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<210> 90

<211> 257

<212> DNA

<213> Homo sapiens

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<211> 255

<212> DNA

<213> Homo sapiens

<400> 91

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cgggcggtga cggagctggg gcggcctgct gcggagtact ggaacagcca gaaggacatc	180
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cgggcggtga cggagctggg gcggcctgat gaggactact ggaacagcca gaaggacctc	180
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<211> 264

<212> DNA

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<210> 98
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<213> Homo sapiens

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<210> 104

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<213> Homo sapiens

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<400> 181

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<212> DNA

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 acacccatct ctgtcttggt gacaacatct ttctctctg ggtcaacatc acatggctga 360
 gcaatgggca ctacgtcaca gaaggtgtt ctgagaccag cttctctcc aagagtgatc 420
 attcttctt caagatcagt tacctacct tctccttc tgctgatgag atttatgact 480
 gcaaggtgga gcactggggc ctggacgagc ctctctgaa acactggg 528

<210> 184
 <211> 765
 <212> DNA
 <213> Homo sapiens

<400> 184
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 tcttacggtc cctctggcca gtacacccat gaatttgatg gagatgagca gttctacgtg 180
 gacctgggga ggaaggagac tgtctgggtg ttgcctgttc tcagacaatt tagatttgac 240
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 cgtccaact ctaccgctgc taccaatgag gttcctgagg tcacagtgtt ttccaagtct 360
 cccgtgacac tgggtcagcc caacatcctc atctgtcttg tggacaacat ctttctctct 420
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 aaacactggg agcctgagat tccagcccct atgtcagagc tcacagagac tgtggtctgc 660
 gccctgggat tgtctgtggg cctcgtgggc attgtgggtg gcactgtctt catcatccga 720
 ggctgcgtt cagttggtgc ttccagacac caagggcct tgtga 765

<210> 185
 <211> 258
 <212> DNA
 <213> Homo sapiens

<400> 185
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 ccctctggcc agtacaccca tgaatttgat ggagatgagc agttctacgt ggacctgggg 120
 aggaaggaga ctgtctgggt tttgcctgtt ctacagacaat ttagatttga cccgcaattt 180
 gcactgacaa acatcgctgt cctaaaacat aacttgaaca gtctgattaa acgtccaac 240
 tctaccgctg ctaccaat 258

<210> 186
 <211> 222
 <212> DNA
 <213> Homo sapiens

<400> 186
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 gatgagcagt tctacgtgga cctggggagg aaggagactg tctggtgttt gcctgttctc 120
 agacaattta gatttgaccg gcaatttgca ctgacaaaca tcgctgtcct aaaacataac 180
 ttgaacagtc tgattaaacg ctccaactct accgtgcta cc 222

<210> 187
 <211> 765
 <212> DNA
 <213> Homo sapiens

<400> 187
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 tcttacggtc cctctggcca gtacacccat gaatttgatg gagatgagca gttctacgtg 180
 gacctgggga ggaaggagac tgtctgggtg ttgcctgttc tcagacaatt tagatttgac 240
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 cgtccaact ctaccgctgc taccaatgag gttcctgagg tcacagtgtt ttccaagtct 360
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agcttcctct ccaagagtga tcattccttc ttcaagatca gttacctcac cctcctccct 540
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 gccttgggat tgtctgtggg cctcgtgggc atttgtgtgg gcactgtctt catcatccga 720
 ggctgcggt cagttgggtg ttccagacac caaggccct tgtga 765

<210> 188
 <211> 246
 <212> DNA
 <213> Homo sapiens

<400> 188
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 tctggtgtt gcctgttctc agacaattta gatttgacc gcaatttgca ctgacaaaca 180
 tcgtgtcct aaaacataac ttgaacagtc tgattaaacg ctccaactct accgtgcta 240
 ccaatg 246

<210> 189
 <211> 765
 <212> DNA
 <213> Homo sapiens

<400> 189
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 tcttacggtc cctctggcca gtacacccat gaatttgatg gagatgagca gttctacgtg 180
 gacctgggga ggaaggagac tgtctggtgt ttgcctgttc tcagacaatt tagatttgac 240
 ccgcaatttg cactgacaaa catcgtgtg ctaaaacata acttgaacag tctgattaaa 300
 cgctccaact ctaccgtgc taccaatgag gttcctgagg tcacagtgtt ttccaagtct 360
 cccgtgacac tgggtcagcc caacatcctc atctgtcttg tggacaacat ctttctcct 420
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<210> 190
 <211> 765
 <212> DNA
 <213> Homo sapiens

<400> 190atgaccta acaaagctct gctgctgggg gcccttgccc tgaccaccgt gatgagcccc 60
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 cgctccaact ctaccgtgc taccaatgag gttcctgagg tcacagtgtt ttccaagtct 360
 cccgtgacgc tgggtcagcc caacaccctc atctgtcttg tggacaacat ctttctcct 420
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 aaacactggg agcctgagat tccagcccct atgtcagagc tcacagagac tgttgtctgc 660
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<210> 191
 <211> 227
 <212> DNA
 <213> Homo sapiens

<400> 191
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 gacgagcagt tctacgtgga cctggggagg aaggagactg tctgggtgtt gcctgttctc 120
 agacaattta gatttgacct gcaatttgca ctgacaaaca tcgccgtgac aaaacacaac 180
 ttgaacatcc tgattaaacg ctccaactct accgctgcta ccaatga 227

<210> 192
 <211> 529
 <212> DNA
 <213> Homo sapiens

<400> 192
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 taaccgagag gactacgtgc gcttcgacag cgacgtgggg gtgtaccggg cagtgcgccc 120
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 caacctgctg atctgctcgg tgacagattt ctatccaagc cagatcaaag tccggtggtt 360
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 ctggaccttc cagatcctgg tgatgctgga aatgactccc cagcgtggag atgtctacac 480
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<210> 193
 <211> 244
 <212> DNA
 <213> Homo sapiens

<400> 193
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 taaccgagag gactacgtgc gcttcgacag cgacgtgggg gtgtaccggg cggtgcgccc 120
 gcagggggcgg cctgttgccg agtactggaa cagccagaag gaagtcctgg agggggccccg 180
 ggcgtcgggtg gacagagtgt gcagacacaa ctacgaggtg gcgtaccgcg ggatcctgca 240
 gagg 244

<210> 194
 <211> 529
 <212> DNA
 <213> Homo sapiens

<400> 194
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 taaccgagag gactacgtgc gcttcgacag cgacgtgggg gtgtaccggg cggtgcgccc 120
 gcagggggcgg cctagcggcg agtactggaa cagccagaag gaagtcctgg agggggccccg 180
 ggcgtcgggtg gacagagtgt gcagacacaa ctacgaggtg gcgtaccgcg ggatcctgca 240
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 ctggaccttc cagatcctgg tgatgctgga aatgactccc cagcgtggag atgtctacac 480
 ctgccacgtg gagcacccca gcctccagag ccccatcacc gtggagtgg 529

<210> 195
 <211> 245
 <212> DNA
 <213> Homo sapiens

<400> 195
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 taaccgagag gagtacgtgc gcttcgacag cgacgtgggg gtgtatcggg cggtgacgcc 120
 gcagggggcgg cctagcgccg agtactggaa cagccagaag gaagtcctgg aggggggccc 180
 ggctcgggtg gacagagtgt gcagacacaa ctacgagggtg gcgtaccgcg ggatcctgca 240
 gagga 245

<210> 196
 <211> 529
 <212> DNA
 <213> Homo sapiens

<400> 196
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 taaccgagag gagtacgtgc gcttcgacag cgacgtgggg gtgtatcggg cggtgacgcc 120
 gcagggggcgg cctgacgccc agtactggaa cagccagaag gaagtcctgg aggggggccc 180
 ggctcgggtg gacagagtgt gcagacacaa ctacgagggtg gcgtaccgcg ggatcctgca 240
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 caacctgctg atctgctcgg tgacagattt ctatccaagc cagatcaaag tccggtggtt 360
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 ctggaccttc cagatcctgg tgatgtgga aatgactccc cagcgtggag atgtctacac 480
 ctgccacgtg gagcacccca gcctccagag ccccatcacc gtggagtgg 529

<210> 197
 <211> 148
 <212> DNA
 <213> Homo sapiens

<400> 197
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 cgacagcgac gtgggggtgt atcgggcggt gacgccgag gggcggcctg atgccgagta 120
 ctggaacagc cagaaggaag tctggag 148

<210> 198
 <211> 212
 <212> DNA
 <213> Homo sapiens

<400> 198
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 taaccgagaa gagtacgtgc gcttcgacag cgacgtgggg gtgtaccggg cggtgacgcc 120
 gcagggggcgg cctagcgccg agtactggaa cagccagaag gacatcctgg aggaggaccg 180
 ggctcgggtg gacagggtgt gcagacacaa ct 212

<210> 199
 <211> 529
 <212> DNA
 <213> Homo sapiens

<400> 199
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taaccgagaa gagatcgtgc gcttcgacag cgacgtgggg gagttccggg cggtagcgt 120
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ggcggcggtg gacagggtgt gcagacacaa ctaccagttg gagtccgca cgacctgca 240
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tcggaatgac caggaggaga cagctggcgt tgtgtccacc ccccttatta ggaatggtga 420
ctggaccttc cagatcctgg tgatgctgga aatgactccc cagcgtggag acgtctacac 480
ctgccacgtg gagcacccca gcctccagag ccccatcacc gtggagtgg 529

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<210> 200
 <211> 529
 <212> DNA
 <213> Homo sapiens

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<400> 200gggcatgtgc tacttcacca acgggacaga gcgcgtgcgt cttgtgagca gaagcatcta 60
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ctgccacgtg gagcacccca gcctccagag ccccatcacc gtggagtgg 529

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<210> 201
 <211> 449
 <212> DNA
 <213> Homo sapiens

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<400> 201
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taaccgagaa gagatcgtgc gcttcgacag cgacgtgggg gagttccggg cggtagcgt 120
gctggggctg cctgacgccc agtactggaa cagccagaag gacatcctgg agaggaaacg 180
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acagatttct atccagccca gatcaaagtc cgggtggttc ggaatggcca ggaggagaca 360
gttggcgttg tgtccacccc cttattagg aatggtgact ggaccttcca gatcctggtg 420
atgctggaaa tgactcccca gcgtggaga 449

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<210> 202
 <211> 529
 <212> DNA
 <213> Homo sapiens

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<400> 202
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taaccgagag gactacgcac gcttcgacag cgacgtggag gtgtaccggg cggtagcgc 120
gctggggccc cctgacgccc agtactggaa cagccagaag gaagtcttgg agaggacccc 180
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tcggaatgac caggaggaga caaccggcgt tgtgtccacc ccccttatta ggaacggtga 420
ctggaccttc cagatcctgg tgatgctgga aatgactccc cagcatggag acgtctacac 480
ctgccacgtg gagcacccca gcctccagaa ccccatcacc gtggagtgg 529

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<210> 203

<211> 248
<212> DNA
<213> Homo sapiens

<400> 203
ggccatgtgc tacttcacca acgggacgga gcgcgtgcgt tatgtgacca gatacatcta 60
taaccgagag gactacgcgc gcttcgacag cgacgtggag gtgtaccggg cggtagacgc 120
gctggggccg cctgacgccg agtactggaa cagccagaag gaagtcctgg agaggaccgc 180
ggcggagtgt gacacggtgt gcagacacaa ctaccagttg gagctccgca cgaccttgca 240
gcggcgag 248

<210> 204
<211> 529
<212> DNA
<213> Homo sapiens

<400> 204
gggcatgtgc tacttcacca acgggacgga gcgcgtgcgt cttgtgacca gatacatcta 60
taaccgagag gactacgcac gcttcgacag cgacgtgggg gtgtatcggg cggtagacgc 120
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<210> 205
<211> 529
<212> DNA
<213> Homo sapiens

<400> 205
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taaccgagag gactacgcac gcttcgacag cgacgtgggg gtgtatcggg cggtagacgc 120
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<210> 206
<211> 248
<212> DNA
<213> Homo sapiens

<400> 206
gggcatgtgc tacttcacca acgggacgga gcgcgtgcgt cttgtgacca gatacatcta 60
taaccgagag gactacgcgc gcttcgacag cgacgtgggg gtgtatcggg cggtagacgc 120
gctggggccg cctgacgccg agtactggaa cagccagaag gaagtcctgg agaggaccgc 180
ggcggagtgt gacacggtgt gcagacacaa ctaccagttg gagctccgca cgaccttgca 240
gcggcgag 248

<210> 207

<211> 529
 <212> DNA
 <213> Homo sapiens

<400> 207

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ggccatgtgc tacttcacca acgggacgga gcgcgtgcgt tatgtgacca gatacatcta      60
taaccgagag gactacgcac gcttcgacag cgacgtggag gtgtaccggg cggtagacgcc      120
gctggggccg cctgccgccg agtactggaa cagccagaag gaagtcctgg agaggaccgg      180
ggcggagttg gacacgggtg gcagacacaa ctaccagttg gagctccgca cgaccttgca      240
gcggcgagtg gagccacag tgaccatctc cccatccagg acagaggccc tcaaccacca      300
caacctgctg gtctgctcag tgacagattt ctatccagcc cagatcaaag tccggtggtt      360
tcggaatgac caggaggaga caaccggcgt tgtgtccacc ccccttatta ggaacgggtga      420
ctggaccttc cagatcctgg tgatgctgga aatgactccc cagcatggag acgtctacac      480
ctgccacgtg gagcacccca gcctccagaa ccccatcacc gtggagtgg      529
  
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<210> 208
 <211> 529
 <212> DNA
 <213> Homo sapiens

<400> 208

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gggcatgtgc tacttcacca acgggacgga gcgcgtgcgg ggtgtgacca gatacatcta      60
taaccgagag gactacgcgc gcttcgacag cgacgtgggg gtgtatcggg cggtagacgcc      120
gctggggccg cctgccgccg agtactggaa cagccagaag gaagtcctgg agaggaccgg      180
ggcggagttg gacacgggtg gcagacacaa ctaccagttg gagctccgca cgaccttgca      240
gcggcgagtg gagccacag tgaccatctc cccatccagg acagaggccc tcaaccacca      300
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ctggaccttc cagatcctgg tgatgctgga aatgactccc cagcgtggag acgtctacac      480
ctgccacgtg gagcacccca gcctccagaa ccccatcatc gtggagtgg      529
  
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<210> 209
 <211> 248
 <212> DNA
 <213> Homo sapiens

<400> 209

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gggcatgtgc tacttcacca acgggacgga gcgcgtgcgg ggtgtgacca gatacatcta      60
taaccgagag gactacgcgc gcttcgacag cgacgtgggg gtgtatcggg cggtagacgcc      120
gctggggccg cctgccgccg agtactggaa cagccagaag gaagtcctgg agaggaccgg      180
ggcggagttg gacacgggtg gcagacacaa ctaccagttg gagctccgca cgaccttgca      240
gcggcgagag                                     248
  
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<210> 210
 <211> 248
 <212> DNA
 <213> Homo sapiens

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<400> 210gggcatgtgc tacttcacca acgggacgga gcgcgtgcgt cttgtgacca gatacatcta      60
taaccgagag gactacgcac gcttcgacag cgacgtgggg gtgtatcggg cggtagacgcc      120
gctggggccg cctgacgccg agtactggaa tagccagaag gacatcctgg agaggaccgg      180
ggcgtcggtg gacaccgtat gcagacacaa ctaccagttg gagctccgca cgaccttgca      240
gcggcgag                                     248
  
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<210> 211
 <211> 247

<212> DNA
<213> Homo sapiens

<400> 211
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taaccgagag gactacgcac gcttcgacag cgacgtgggg gtgtatcggg tggtagacgc 120
gctggggccg cctgccgccg agtactggaa cagccagaag gaagtcctgg agaggaccgc 180
ggcggagtgt gacacggtgt gcagacacaa ctaccagtgt gagctccgca cgaccttgca 240
cgggcga 247

<210> 212
<211> 248
<212> DNA
<213> Homo sapiens

<400> 212
gggcatgtgc tacttcacca acgggacgga ggcggtgcgt cttgtgacca gatacatcta 60
taaccgagag gactacgcac gcttcgacag cgacgtgggg gtgtatcggg cggtgacgcc 120
gctggggccg cctgccgccg agtactggaa cagccagaag gaagtcctgg aggggaccgc 180
ggcggagtgt gacacggtgt gcagacacaa ctaccagtgt gagctccgca cgaccttgca 240
cgggcgag 248

<210> 213
<211> 526
<212> DNA
<213> Homo sapiens

<400> 213
ggccatgtgc tacttcacca acgggacgga ggcggtgcgt tatgtgacca gatacatcta 60
taaccgagag gactacgcac gcttcgacag cgacgtggag gtgtaccggg cggtgacgcc 120
gctggggccg cctgacgccg agtactggaa cagccagaag gaagtcctgg agaggaccgc 180
ggcggagtgt gacacggtgt gcagacacaa ctaccagtgt gagctccgca cgaccttgca 240
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caacctgctg gtctgtctag tgacagattt ctatccagcc cagatcaaag tccggtggtt 360
tcggaatgac caggaggaga caaccggcgt tgtgtccacc ccccttatta ggaacggtga 420
ctggaccttc cagatcctgg tgatgtgga aatgactccc cagcatgccg tctacacctg 480
ccacgtggag caccacgcc tccagaacct catcacctg gactgg 526

<210> 214
<211> 529
<212> DNA
<213> Homo sapiens

<400> 214
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taaccgagag gactacgcac gcttcgacag cgacgtgggg gtgtatcggg cggtgacgcc 120
gctggggccg cctgacgccg agtactggaa cagccagaag gaagtcctgg agaggaccgc 180
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cgggcgagtgt gagccacag tgaccatctc cccatccagg acagaggccc tcaaccacca 300
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ctggaccttc cagatcctgg tgatgtgga aatgactccc cagcatggag acgtctacac 480
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<210> 215
<211> 248

<212> DNA
<213> Homo sapiens

<400> 215

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gggcctgtgc tacttcacca acgggacgga gcgcgtgcgt cttgtgacca gatacatcta   60
taaccgagag gactacgcac gcttcgacag cgacgtgggg gtgtatcggg cggtagacgc   120
gctggggccg cctgccgccg agtactggaa cagccagaag gaagtcctgg agaggacccg   180
ggcggagttg gacacggtgt gcagacacaa ctaccagttg gagtccgca cgaccttgca   240
gcggcgag                                     248

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<210> 216
<211> 248
<212> DNA
<213> Homo sapiens

<400> 216

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ggccatgtgc tacttcacca acgggacgga gcgcgtgcgt cttgtgacca gatacatcta   60
taaccgagag gactacgcac gcttcgacag cgacgtgggg gtgtatcggg cggtagacgc   120
gctggggccg cctgacgccg agtactggaa cagccagaag gaagtcctgg agaggacccg   180
ggcggagttg gacacggtgt gcagacacaa ctaccagttg gagtccgca cgaccttgca   240
gcggcgag                                     248

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<210> 217
<211> 248
<212> DNA
<213> Homo sapiens

<400> 217

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ggccatgtgc tacttcacca acgggacgga gcgcgtgcgt tatgtgacca gatacatcta   60
taaccgagag gactacgcac gcttcgacag cgacgtggag gtgtaccggg cggtagacgc   120
gctggggccg cctgacgccg agtactggaa cagccagaag gaagacctgg agaggacccg   180
ggcggagttg gacacggtgt gcagacacaa ctaccagttg gagtccgca cgaccttgca   240
gcggcgag                                     248

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<210> 218
<211> 529
<212> DNA
<213> Homo sapiens

<400> 218

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gggcatgtgc tacttcacca acgggaccga gctcgtgcgg ggtgtgacca gatacatcta   60
taaccgagag gactacgcgc gcttcgacag cgacgtgggg gtgtatcggg cggtagacgc   120
gctggggccg cttgacgccg agtactggaa tagccagaag gacatcctgg aggaggaccg   180
ggcgtcggtg gacacgtat gcagacacaa ctaccagttg gagtccgca cgaccttgca   240
gcggcgagtg gagccacag tgaccatctc cccatccagg acagaggccc tcaaccacca   300
caacctgctg gtctgctcag tgacagattt ctatccagcc cagatcaaag tccggtggtt   360
tcggaatgac caggaggaga caactggcgt tgtgtccacc ccccttatta ggaacggtga   420
ctggaccttc cagatcctgg tgatgctgga aatgactccc cagcgtggag acgtctacac   480
ctgccacgtg gagcacccca gcctccagaa ccccatcacc gtggagtgg               529

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<210> 219
<211> 529
<212> DNA
<213> Homo sapiens

<400> 219

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gggcatgtgc tacttcacca acgggaccca ggcgtgcgg ggtgtgacca gatacatcta 60
taaccgagag gactacggcg gcttcgacag cgacgtgggg gtgtatcggg cggtagacgcc 120
gctggggcgg cttgacgccg agtactggaa tagccagaag gacatcctgg aggaggaccg 180
ggcgtcggtg gacaccgtat gcagacacaa ctaccagttg gagtccgca cgaccttgca 240
gcggcgagtg gagccacag tgaccatctc cccatccagg acagaggccc tcaaccacca 300
caacctgctg gctgtctcag tgacagattt ctatccagcc cagatcaaag tccggtggtt 360
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ctggaccttc cagatcctgg tgatgtgga aatgactccc cagcgtggag acgtctacac 480
ctgccacgtg gagcacccca gcctccagaa ccccatcatc gtggagtgg 529

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<210> 220
 <211> 529
 <212> DNA
 <213> Homo sapiens

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<400> 220
ggccatgtgc tacttcacca atgggacgga ggcgtgcgt tatgtgacca gatacatcta 60
taaccgagag gaggacgtgc gcttcgacag cgacgtgggg gtgtatcggg cggtagacgcc 120
gcagggggcgg cctgacgccg agtactggaa cagccagaag gacatcctgg agaggaccg 180
agcggagttg gacacggtgt gcagacacaa ctacgaggtg gcgttccgcg ggatcttgca 240
gaggagagtg gagccacag tgaccatctc cccatccagg acagaggccc tcaaccacca 300
caacctgctg gctgtctcgg tgacagattt ctatccagcc cagatcaaag tccggtggtt 360
tcggaatgac caggaggaga cagctggcgt tgtgtccacc cccctatta ggaacggtga 420
ctggaccttc cagatcctgg tgatgtgga aatgactccc cagcgtggag acgtctacac 480
ctgccacgtg gagcacccca gcctccagag ccccatcacc gtggagtgg 529

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<210> 221
 <211> 204
 <212> DNA
 <213> Homo sapiens

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<400> 221
gccatgtgt acttcaccaa cgggacggag gcggtgcgt atgtgaccag atacatctat 60
aaccgagagg aggacgtgc cttcgacagc gacgtggggg tgtatcgggc ggtgaccccg 120
caggggcggc ctgacgccga gtactggaac agccagaagg acatcctgga gaggaccgga 180
cgggagttgg acacggtgtg caga 204

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<210> 222
 <211> 529
 <212> DNA
 <213> Homo sapiens

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<400> 222
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taaccgagag gaggacgtgc gcttcgacag cgacgtgggg gtgtatcggg cggtagacgcc 120
gcagggggcgg cctgacgccg agtactggaa cagccagaag gacatcctgg agaggaccg 180
agcggagttg gacacggtgt gcagacacaa ctacgaggtg gcgttccgcg ggatcttgca 240
gaggagagtg gagccacag tgaccatctc cccatccagg acagaggccc tcaaccacca 300
caacctgctg gctgtctcgg tgacagattt ctatccagcc cagatcaaag tccggtggtt 360
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ctggaccttc cagatcctgg tgatgtgga aatgactccc cagcgtggag acgtctacac 480
ctgccacgtg gagcacccca gcctccagag ccccatcacc gtggagtgg 529

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<210> 223
 <211> 529
 <212> DNA

<213> Homo sapiens

<400> 223

gggcatgtgc tacttcacca acgggacgga gcgcgtgcgt cttgtgacca gatacatcta	60
taaccgagag gactacgcgc gcttcgacag cgacgtgggg gtgtaccgcg cggtagacgc	120
gcaggggccc cctgatgccg agtactggaa cagccagaag gaagtcctgg aggggacccg	180
ggcggagttg gacacggtgt gcagacacaa ctacgaggtg gcgttccgcg ggatcttgca	240
gaggagagtg gagccacag tgaccatctc cccatccagg acagaggccc tcaaccacca	300
caacctgctg gtctgctcgg tgacagattt ctatccaggc cagatcaaag tccggtggtt	360
tcggaatgat caggaggaga cagccggcgt tgtgtccacc ccccttatta ggaatggtga	420
ctggactttc cagatcctgg tgatgctgga aatgactccc cagcgtggag atgtctacac	480
ctgccacgtg gagcacccca gcctccagag ccccatcacc gtggagtgg	529

<210> 224

<211> 529

<212> DNA

<213> Homo sapiens

<400> 224

gggcatgtgc tacttcacca acgggacgga gcgcgtgcgt cttgtaacca gacacatcta	60
taaccgagag gactacgcgc gcttcgacag cgacgtgggg gtgtaccgcg cggtagacgc	120
gcaggggccc cctgatgccg agtactggaa cagccagaag gaagtcctgg aggggacccg	180
ggcggagttg gacacggtgt gcagacacaa ctacgaggtg gcgttccgcg ggatcttgca	240
gaggagagtg gagccacag tgaccatctc cccatccagg acagaggccc tcaaccacca	300
caacctgctg gtctgctcgg tgacagattt ctatccaggc cagatcaaag tccggtggtt	360
tcggaatgat caggaggaga cagccggcgt tgtgtccacc ccccttatta ggaatggtga	420
ctggactttc cagatcctgg tgatgctgga aatgactccc cagcgtggag atgtctacac	480
ctgccacgtg gagcacccca gcctccagag ccccatcacc gtggagtgg	529

<210> 225

<211> 529

<212> DNA

<213> Homo sapiens

<400> 225

gggcatgtgc tacttcacca acgggacgga gcgcgtgcgt cttgtaacca gacacatcta	60
taaccgagag gactacgcgc gcttcgacag cgacgtgggg gtgtaccggg cggtagacgc	120
gcaggggccc cctgttgccc agtactggaa cagccagaag gaagtcctgg agaggacccg	180
ggcggagttg gacacggtgt gcagacacaa ctacgaggtg gggtaccgcg ggatcctgca	240
gaggagagtg gagccacag tgaccatctc cccatccagg acagaggccc tcaaccacca	300
caacctgctg gtctgctcgg tgacagattt ctatccaggc cagatcaaag tccagtgtgt	360
tcggaatgat caggaggaga cagccggcgt tgtgtccacc ccccttatta ggaatggtga	420
ctggactttc cagatcctgg tgatgctgga aatgactccc cagcgtggag atgtctacac	480
ctgccacgtg gagcacccca gcctccagag ccccatcacc gtggagtgg	529

<210> 226

<211> 289

<212> DNA

<213> Homo sapiens

<400> 226

gggcatgtgc tacttcacca acgggacgga gcgcgtgcgt cttgtaacca gacacatcta	60
taaccgagag gactacgcgc gcttcgacag cgacgtgggg gtgtaccgcg cggtagacgc	120
gcaggggccc cctgttgccc agtactggaa cagccagaag gaagtcctgg agaggacccg	180
ggcggagttg gacacggtgt gcagacacaa ctacgaggtg gggtaccgcg ggatcctgca	240
gaggagagtg gagccacag tgaccatctc cccatccagg acagaggcc	289

<210> 227
 <211> 289
 <212> DNA
 <213> Homo sapiens

<400> 227
 gggcctgtgc tacttcacca acgggacgga gcgcgtgcgt cttgtaacca gatacatcta 60
 taaccgagag gactacgcgc gcttcgacag cgacgtgggg gtgtaccggg cggtagacgc 120
 gcagggggcgg cctgttgccg agtactggaa cagccagaag gaagtcctgg agaggaccgc 180
 ggcggagttg gacacggtgt gcagacacaa ctacgaggtg gggtagccgc ggatcctgca 240
 gaggagagtg gagccacag tgaccatctc ccatccagg acagaggcc 289

<210> 228
 <211> 173
 <212> DNA
 <213> Homo sapiens

<400> 228
 ggacggagcg cgtgcgtctt gtaaccagat acatctataa ccgagaggag tacgcgcgct 60
 tcgacagcga cgtgggggtg taccgggcgg tgacgccga gggcggcct gtcgccgagt 120
 actggaacag ccagaaggaa gtcttgaga ggaccgggc ggagttggac acg 173

<210> 229
 <211> 176
 <212> DNA
 <213> Homo sapiens

<400> 229
 ggacggagcg cgtgcgtctt gtaaccagat acatctataa ccgagaggag tacgcgcgct 60
 tcgacagcga cgtgggggtg taccgggcgg tgacgccga gggcggcct gttgccgagt 120
 actggaacag ccagaaggaa gtcttgaga ggaccgggc ggcggtggac aggggtg 176

<210> 230
 <211> 236
 <212> DNA
 <213> Homo sapiens

<400> 230gggcatgtgc tacttcacca acgggacgga gcgcgtgcgt cttgtaacca gacacatcta 60
 taaccgagag gactacgcgc gcttcgacag cgacgtgggg gtgtaccgcg cggtagacgc 120
 gcagggggcgg cctgatgccg agtactggaa cagccagaag gaagtcctgg agaggaccgc 180
 ggcggagttg gacacggtgt gcagacacaa ctacgaggtg gggtagccgc ggatcc 236

<210> 231
 <211> 236
 <212> DNA
 <213> Homo sapiens

<400> 231
 gggcatgtgc tacttcacca acgggacgga gcgcgtgcgt cttgtaacca gacacatcta 60
 taaccgagag gactacgcgc gcttcgacag cgacgtgggg gtgtaccgcg cggtagacgc 120
 gcagggggcgg cctgttgccg agtactggaa cagccagaag gaagtcctgg aggggaccgc 180
 ggcggagttg gacacggtgt gcagacacaa ctacgaggtg gcgtccgcg ggatct 236

<210> 232

<211> 529
 <212> DNA
 <213> Homo sapiens

<400> 232
 gggcatgtgc tacttcacca acgggacgga gcgcgtgcgt cttgtaacca gatacatcta 60
 taaccgagag gactacgcgc gcttcgacag cgacgtgggg gtgtaccggg cggtagacgc 120
 gcagggggcgg cctgttgccg agtactggaa cagccagaag gaagtcctgg agaggaccgc 180
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 ctggactttc cagatcctgg tgatgtgga aatgactccc cagcgtggag atgtctacac 480
 ctgccacgtg gaggaccca gcctccagag cccatcacc gtggagtgg 529

<210> 233
 <211> 248
 <212> DNA
 <213> Homo sapiens

<400> 233
 gggcatgtgc tacttcacca acgggacgga gcgcgtgcgt cttgtgacca gatacatcta 60
 taaccgagag gactacgcgc gcttcgacag cgacgtgggg gtgtaccgcg cggtagacgc 120
 gcagggggcgg cctagcgccg agtactggaa cagccagaag gaagtcctgg aggggaccgc 180
 ggccgagttg gacacggtgt gcagacacaa ctacgaggtg gcgttccgcg ggatcctgca 240
 gaggagag 248

<210> 234
 <211> 244
 <212> DNA
 <213> Homo sapiens

<400> 234
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 gcagggggcgg cctgatgccg agtactggaa cagccagaag gaagtcctgg aggggaccgc 180
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 gagg 244

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 <211> 248
 <212> DNA
 <213> Homo sapiens

<400> 235
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 <212> DNA
 <213> Homo sapiens

<400> 236

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gggcatgtgc tacttcacca acgggacgga ggcgctgcgt cttgtaacca gatacatcta 60
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gcagggggcgg cctgttgccg agtactggaa cagccagaag gaagtcctgg aggggacccg 180
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<210> 237

<211> 234

<212> DNA

<213> Homo sapiens

<400> 237

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gggcatgtgc tacttcacca acgggacgga ggcgctgcgt cttgtgacca gatacatcta 60
taaccgagag gactacgcgc gcttcgacag cgacgtgggg gtgtaccgcg cggtagacgc 120
gcagggggcgg cctgttgccg agtactggaa cagccagaag gaagtcctgg aggggacccg 180
ggcggagttg gacacggtgt gcagacacaa ctacgaggtg gcgttccgcg ggat 234

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<210> 238

<211> 248

<212> DNA

<213> Homo sapiens

<400> 238

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gggcatgtgc tacttcacca acgggacgga ggcgctgcgt cttgtgacca gacacatcta 60
taaccgagag gactacgcgc gcttcgacag cgacgtgggg gtgtaccgcg cggtagacgc 120
gcagggggcgg cctgatgccg agtactggaa cagccagaag gaagtcctgg aggggacccg 180
ggcggagttg gacacggtgt gcagacacaa ctacgaggtg gcgttccgcg ggatcctgca 240
gaggagag 248

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<210> 239

<211> 248

<212> DNA

<213> Homo sapiens

<400> 239

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gggcatgtgc tacttcacca acgggacgga ggcgctgcgt cttgtgacca gatacatcta 60
taaccgagag gactacgcgc gcttcgacag cgacgtgggg gtgtaccgcg cggtagacgc 120
gcagggggcgg cctgatgccg agtactggaa cagccagaag gaagtcctgg agaggacccg 180
ggcggagttg gacacggtgt gcagacacaa ctacgaggtg gggtagccgc ggatcctgca 240
gaggagag 248

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<210> 240

<211> 248

<212> DNA

<213> Homo sapiens

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<400> 240gggcatgtgc tacttcacca acgggacgga ggcgctgcgt cttgtgacca gatacatcta 60
taaccgagag gactacgcgc gcttcgacag cgacgtgggg gtgtaccgcg cggtagacgc 120
gcagggggcgg cctgatgccg agaactggaa cagccagaag gaagtcctgg aggggacccg 180
ggcggagttg gacacggtgt gcagacacaa ctacgaggtg gcgttccgcg ggatcctgca 240
gaggagag 248

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<210> 241
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<212> DNA
<213> Homo sapiens

<400> 241
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gcagggggcgg cctgttgccg agtactggaa cagccagaag gaagtcctgg agggggcccg 180
ggcggagtgt gacacggtgt gcagacacaa ctacgaggtg gggtagccgc 229

<210> 242
<211> 246
<212> DNA
<213> Homo sapiens

<400> 242
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gcagggggcgg cctgttgccg agtactggaa cagccagaag gaagtcctgg agaggaccgc 180
ggcggagtgt gacacggtgt gcagacacaa ctacgaggtg gcgttcgcgc ggatcttgca 240
gaggag 246

<210> 243
<211> 248
<212> DNA
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<400> 243
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gctggggcgg cctgatgccg agtactggaa cagccagaag gaagtcctgg aggggaccgc 180
ggcggagtgt gacacggtgt gcagacacaa ctacgaggtg gcgttcgcgc ggatcttgca 240
gaggagag 248

<210> 244
<211> 229
<212> DNA
<213> Homo sapiens

<400> 244
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gcagggggcgg cctgatgccg agtactggaa cagccagaag gaagtcctgg aggggaccgc 180
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SEQUENCE LISTING DR

<110> CANON KABUSHIKI KAISHA

<120> Probe set and method for identifying HLA allele

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<150> JP2003-430558

<151> 2003-12-25

<160> 827

<170> PatentIn version 3.2

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<211> 283

<212> DNA

<213> Homo sapiens

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gacagcgacg tgggggagta ccgggcggtg acggagctgg ggcggcctga tgccgagtac    180
tggaacagcc agaaggacct cctggagcag aggcggggccg cggtggacac ctattgcaga    240
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<211> 246

<212> DNA

<213> Homo sapiens

<400> 4

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<212> DNA
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<212> DNA
<213> Homo sapiens

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gacagcgacg tgggggagta cggggcggg acggagctgg ggcggcctga tgccgagtac 180
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<212> DNA
<213> Homo sapiens

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<212> DNA
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<213> Homo sapiens

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<211> 270

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<211> 270

<212> DNA

<213> Homo sapiens

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<211> 270

<212> DNA

<213> Homo sapiens

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gggagtaccg ggcgggtgacg gagctggggc ggcctgatgc cgagtactgg aacagccaga	180
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<210> 13

<211> 283

<212> DNA

<213> Homo sapiens

<400> 13

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<211> 265

<212> DNA
<213> Homo sapiens

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<211> 283
<212> DNA
<213> Homo sapiens

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<210> 16
<211> 283
<212> DNA
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acagtgcagc ggcca 255

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270

<210> 19

<211> 270

<212> DNA

<213> Homo sapiens

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<213> Homo sapiens

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<211> 258

<212> DNA

<213> Homo sapiens

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<211> 283

<212> DNA

<213> Homo sapiens

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cacaactacg ggggtgtgga gagcttcaca gtgcagcggc gag 283

<210> 23

<211> 283

<212> DNA

<213> Homo sapiens

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<210> 25
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<210> 26
 <211> 269
 <212> DNA
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<210> 27
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 cgggcgggtga cggagctggg gcggcctagc gccgagtact ggaacagcca gaaggacctc 180
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ttgtggagag cttcacagtg cagcggcgga 269

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<211> 245

<212> DNA

<213> Homo sapiens

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<211> 270

<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<211> 266

<212> DNA

<213> Homo sapiens

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<211> 267

<212> DNA

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<210> 40
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<210> 41
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<213> Homo sapiens

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aaacatgagt gtcatttctt caacgggacg gagcgggtgc ggttcctgga cagatacttc 180
tatcaccaag aggagtacgt gcgcttcgac agcgacgtgg gggagtaccg ggcggtgacg 240
gagctggggc ggcctgatgc cgagtactgg aacagccaga aggacctcct ggagcagaag 300
cggggccggg tggacaccta ctgcagacac aactacgggg ttggtgagag cttcacagtg 360
cagcggcgag 370

<210> 42
<211> 270
<212> DNA
<213> Homo sapiens

<400> 42
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gggagtaccg ggcggtgacg gagctggggc ggcctgatgc cgagtactgg aacagccaga 180
aggacctcct ggagcagaag cggggccggg tggacaccta ctgcagacac aactacgggg 240
ttggtgagag cttcacagtg cagcggcgag 270

<210> 43
<211> 370
<212> DNA
<213> Homo sapiens

<400> 43
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gtgctgagct cccactggc ttggctggg gacacccgac cacgtttctt ggagcaggtt 120
aaacatgagt gtcatttctt caacgggacg gagcgggtgc ggttcctgga cagatacttc 180
taccaccaag aggagtacgt gcgcttcgac agcgacgtgg gggagtaccg ggcggtgacg 240
gagctggggc ggctgatgc cgagtactgg aacagccaga aggacatcct ggaagacgag 300
cgggccgagg tggacaccta ctgcagacac aactacgggg ttgtggagag cttcacagtg 360
cagcggcgag 370

<210> 44
<211> 283
<212> DNA
<213> Homo sapiens

<400> 44
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acggagcggg tgcggttctt ggacagatac ttctatcacc aagaggagta cgtgcgttc 120
gacagcgacg tgggggagta cggggcgggtg acggagctgg ggcggcctga tgccgagtac 180
tggaacagcc agaaggacct cctggagcag aggcggggcg aggtggacac ctactgcaga 240
cacaactacg gggttgtgga gagcttcaca gtgcagcggc gag 283

<210> 45
<211> 270
<212> DNA
<213> Homo sapiens

<400> 45
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ggttcctgga cagatacttc taccaccaag aggagtacgt gcgcttcgac agcgacgtgg 120
gggagtaccg ggcggtgacg gagctggggc ggcctgacgc tgagtactgg aacagccaga 180
aggacctcct ggagcagagg cgggccgagg tggacaccta ctgcagacac aactacgggg 240
ttgtggagag cttcacagtg cagcggcgag 270

<210> 46
<211> 370
<212> DNA
<213> Homo sapiens

<400> 46
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gtgctgagct cccactggc ttggctggg gacacccgac cacgtttctt ggagcaggtt 120
aaacatgagt gtcatttctt caacgggacg gagcgggtgc ggttcctgga cagatacttc 180
taccaccaag aggagtacgt gcgcttcgac agcgacgtgg gggagtaccg ggcggtgacg 240
gagctggggc ggctgatgc cgagtactgg aacagccaga aggacctcct ggagcagagg 300
cgggccgagg tggacaccta ctgcagacac aactacgggg ttgtggagag cttcacagtg 360
cagcggcgag 370

<210> 47
<211> 282
<212> DNA
<213> Homo sapiens

<400> 47

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 acggagcggg tgcggttctt ggacagatac ttctatcacc aagaggagta cgtgcgttc 120
 gacagcagc tgggggagta ccgggcgggtg acggagctgg ggcggcctag cgccgagtac 180
 tggaacagcc agaaggacct cctggagcag aggcggggccg cgggtggacac ctactgcaga 240
 cacaactacg ggggttggtga gagcttcaca gtgcagcggc ga 282

<210> 48
 <211> 270
 <212> DNA
 <213> Homo sapiens

<400> 48
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 gggagtaccg ggcgggtgacg gagctggggc ggcctagcgc cgagtactgg aacagccaga 180
 aggacctcct ggagcagagg cgggcccgcg tggacaccta ctgcagacac aactacgggg 240
 ttggtgagag cttcacagtg cagcggcgag 270

<210> 49
 <211> 270
 <212> DNA
 <213> Homo sapiens

<400> 49
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 ggttcctgga cagatacttc taccaccaag aggagtacgt gcggttcgac agcgacgtgg 120
 gggagtaccg ggcgggtgacg gagctggggc ggcctagcgc cgagtactgg aacagccaga 180
 aggacctcct ggagcagagg cgggcccgcg tggacaccta ctgcagacac aactacgggg 240
 ttggtgagag cttcacagtg cagcggcgag 270

<210> 50
 <211> 270
 <212> DNA
 <213> Homo sapiens

<400> 50cacgtttctt ggagcaggtt aaacatgagt gtcatttctt caacgggacg gagcgggtgc 60
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 gggagtaccg ggcgggtgacg gagctggggc ggcctagcgc cgagtactgg aacagccaga 180
 aggacctcct ggagcagagg cgggcccgcg tggacaccta ctgcagacac aactacgggg 240
 ttggtgagag cttcacaggtg cagcggcgag 270

<210> 51
 <211> 283
 <212> DNA
 <213> Homo sapiens

<400> 51
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 acggagcggg tgcggttctt ggacagatac ttctatcacc aagaggagtc cgtgcgttc 120
 gacagcagc tgggggagta ccgggcgggtg acggagctgg ggcggcctga tgccgagtac 180
 tggaacagcc agaaggacct cctggagcag aggcggggccg aggtggacac ctactgcaga 240
 cacaactacg ggggttggtga gagcttcaca gtgcagcggc gag 283

<210> 52
 <211> 282
 <212> DNA
 <213> Homo sapiens

<400> 52

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acggagcggg tgcggttct ggacagatac ttctatcacc aagaggagta cgtgcgttc	120
gacagcgacg tgggggagta ccgggcggg acggagctgg ggcggcctga tgccgagta	180
tggaacagcc agaaggacct cctggagcag aggcgggccc aggtggacac ctactgcaga	240
cacaactacg gggttgggta gagcttcaca gtgcagcggc ga	282

<210> 53

<211> 266

<212> DNA

<213> Homo sapiens

<400> 53

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ggttcttgga cagatacttc tatcaccaag aggagtacgt gcgttcgac agcgacgtgg	120
gggagtaccg ggcggtgacg gagctggggc ggctgatgc cgagtactgg aacagccaga	180
aggacctctt ggagcagaga cgggccgagg tggacaccta ctgcagacac aactacgggg	240
ttggtgagag cttcacagtg cagcgg	266

<210> 54

<211> 266

<212> DNA

<213> Homo sapiens

<400> 54

tttcttgag caggttaaac atgagtgtca tttcttcaac gggacggagc gggcgcggtt	60
cctggacaga tacttctatc accaagagga gtacgtgcgc ttcgacagcg acgtggggga	120
gtaccgggcg gtgacggagc tggggcgccc tgatgccgag tactggaaca gccagaagga	180
cctcctggag cagaggcggg ccgcggtgga cacctactgc agacacaact acggggttgg	240
tgagagcttc acagtgcagc ggcgag	266

<210> 55

<211> 225

<212> DNA

<213> Homo sapiens

<400> 55

tgagtgtcat ttcttcaacg ggacggagcg ggtgcgggtc ctggacagat acttctatca	60
ccaagaggag tacgtgcgct tcgacagcga cgtgggggag taccgggcgg tgacggagct	120
ggggcgccct agcgcgagct actggaacag ccagaaggac ctcttgagc agaagcgggc	180
cgcggtggac acctactgca gacacaacta cggggttggg gagag	225

<210> 56

<211> 266

<212> DNA

<213> Homo sapiens

<400> 56

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cctggacaga tacttctatc accaagagga gtacgtgcgc ttcgacagcg acgtggggga	120
gtaccgggcg gtgacggagc tggggcgccc tagcgcgag tactggaaca gccagaagga	180
cctcctggag cagaggcggg ccgcggtgga cacctactgc agacacaact acggggttgt	240
ggagagcttc acagtgcagc ggcgag	266

<210> 57

<211> 370
 <212> DNA
 <213> Homo sapiens

<400> 57
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 gtgtgagct cccactggc ttgggtggg gacacccgac cacgtttctt ggagcaggtt 120
 aaacatgagt gtcatttctt caacgggacg gagcgggtgc ggttcttga cagatacttc 180
 tatcaccaag aggagtacgt gcgcttcgac agcgacgtgg gggagtaccg ggcgggtgacg 240
 gagctggggc ggcctagcgc cgagtactgg aacagccaga aggacctcct ggaacagagg 300
 cgggccgagg tggacaccta ctgcagacac aactacgggg ttgtggagag cttcacagt 360
 cagcggcgag 370

<210> 58
 <211> 261
 <212> DNA
 <213> Homo sapiens

<400> 58
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 ctggacagat acttctatca ccaagaggag tacgtgcgt tcgacagcga cgtgggggag 120
 taccgggcgg tgacggagct ggggcggcct agcgcgagct actggaacag ccagaaggac 180
 atcttgaag acaggcgggc cctggtggac acctactgca gacacaacta cggggttgtg 240
 gagagcttca cagtgcagcg g 261

<210> 59
 <211> 234
 <212> DNA
 <213> Homo sapiens

<400> 59
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 caccaaggag agtacgtgcg cttcgacagc gacgtggggg agtaccgggc ggtgacggag 120
 ctggggcgcc gatgccgag tttctggaac agccagaagg acctcttga gcagaagcgg 180
 gccgcggtgg acacctactg cagacacaac tacggggttg tggagagctt caca 234

<210> 60
 <211> 225
 <212> DNA
 <213> Homo sapiens

<400> 60tgagtgtcat ttcttcaacg ggacggagcg ggtgcggttc ctggacagat acttctatca 60
 ccaagaggag tacgtgcgt tcgacagcga cgtgggggag taccgggcgg tgacggagct 120
 ggggcggcct gatgccgag actggaacag ccagaaggac atcttgaag acgagcgggc 180
 cgcggtggac acctactgca gacacaacta cggggttgg gagag 225

<210> 61
 <211> 250
 <212> DNA
 <213> Homo sapiens

<400> 61
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 gggagtaccg ggcgggtgac gagctggggc ggctgatga ggagtactgg aacagccaga 180
 aggacttctt ggaagacagg cgggccgagg tggacaccta ctgcagacac aactacgggg 240
 ttgtggagag 250

<210> 62
<211> 222
<212> DNA
<213> Homo sapiens

<400> 62
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accaagagga gtacgtgcgc ttcgacagcg acgtggggga gtaccgggcg gtgacggagc 120
tggggcggcc tgatgccag tactggaaca gccagaagga cctcctggag cagaagcggg 180
ccgcggtgga cacctactgc agacacaact acggggttgg tg 222

<210> 63
<211> 221
<212> DNA
<213> Homo sapiens

<400> 63
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accaagagga gtacgtgcgc ttcgacagcg acgtggggga gtaccgggcg gtgacggagc 120
tggggcggcc tagcggcg tactggaaca gccagaagga cctcctggag cagaggcggg 180
ccgaggtgga cacctactgc agacacaact acggggttgg t 221

<210> 64
<211> 238
<212> DNA
<213> Homo sapiens

<400> 64
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accaagagga gtacgtgcgc ttcgacagcg acgtggggga gtaccgggcg gtgacggagc 120
tggggcggcc tgatgccag tactggaaca gccagaagga catcctggaa gacaggcggg 180
ccctggtgga cacctactgc agacacaact acggggttgt ggagagcttc acagtgc 238

<210> 65
<211> 266
<212> DNA
<213> Homo sapiens

<400> 65
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cctggacaga tacttctatc accaagagga gtccgtgcgc ttcgacagcg acgtggggga 120
gtaccgggcg gtgacggagc tggggcggcc tgatgccag tactggaaca gccagaagga 180
cctcctggag cagaggcggg ccgcggtgga cacctactgc agacacaact acggggttgg 240
tgagagcttc acagtgcagc ggcgag 266

<210> 66
<211> 222
<212> DNA
<213> Homo sapiens

<400> 66
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accaagagga gtccgtgcgc ttcgacagcg acgtggggga gtaccgggcg gtgacggagc 120
tggggcggcc tgatgccag tactggaaca gccagaagga cctcctggag cagaggcggg 180
ccgaggtgga cacctactgc agacacaact acggggttgg tg 222

<210> 67
<211> 249
<212> DNA
<213> Homo sapiens

<400> 67
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agatacttct atcaccaaga ggagtcggtg cgcttcgaca gcgacgtggg ggagtaccgg 120
gcggtgacgg agctggggcg gcctgatgcc gactactgga acagccagaa ggacctcctg 180
gagcagaagc gggcccggtt ggacacctac tgcagacaca actacggggt tggtagagagc 240
ttcacagtgc 249

<210> 68
<211> 246
<212> DNA
<213> Homo sapiens

<400> 68
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agatacttct atcaccaaga ggagtcggtg cgcttcgaca gcgacgtggg ggagtaccgg 120
gcggtgacgg agctggggcg gcctgatgcc gactactgga acagccagaa ggacctcctg 180
gagcagaagc gggcccggtt ggacaactac tgcagacaca actacggggt tggtagagagc 240
ttcaca 246

<210> 69
<211> 270
<212> DNA
<213> Homo sapiens

<400> 69
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aggacctcct ggagcggagg cgggccggtt tggacacctt ctgcagacac aactacgggg 240
ttgtgagag attcacagtgc cagcggcgag 270

<210> 70
<211> 270
<212> DNA
<213> Homo sapiens

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aggacctcct ggagcggagg cgggccggtt tggacacctt ctgcagacac aactacgggg 240
ttgtgagag attcacagtgc cagcggcgag 270

<210> 71
<211> 242
<212> DNA
<213> Homo sapiens

<400> 71
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<210> 72
<211> 246
<212> DNA
<213> Homo sapiens

<400> 72
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aggacctcct ggagcagaag cgggccgcgg tggacaccta ctgcagacac aactacgggg 240
ttggtg 246

<210> 73
<211> 260
<212> DNA
<213> Homo sapiens

<400> 73
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ctgtggagag cttcacagtg 260

<210> 74
<211> 270
<212> DNA
<213> Homo sapiens

<400> 74
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ttggtgagag cttcacagtg cagcggcgag 270

<210> 75
<211> 270
<212> DNA
<213> Homo sapiens

<400> 75
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<210> 76
<211> 270
<212> DNA
<213> Homo sapiens

<400> 76
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<210> 77
<211> 270
<212> DNA
<213> Homo sapiens

<400> 77
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ttggtgagag cttcacagtg cagcggcgag 270

<210> 78
<211> 240
<212> DNA
<213> Homo sapiens

<400> 78
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cgggcggtga cggagctggg gcggcctgat gccgagtact ggaacagcca gaaggacctc 180
ctggagcaga ggcaggccgc ggtggacacc tactgcagac acaactacgg ggttgtggag 240

<210> 79
<211> 270
<212> DNA
<213> Homo sapiens

<400> 79
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ttggtgagag cttcacagtg cagcggcgag 270

<210> 80
<211> 243
<212> DNA
<213> Homo sapiens

<400> 80tttcttgag caggttaaac ctgagtgtca tttcttcaac gggacggagc ggggtgcggtt 60
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cctcctggag cagaagcggg ccgcggtgga cacctactgc agacacaact acggggttgg 240
tga 243

<210> 81
<211> 260
<212> DNA
<213> Homo sapiens

<400> 81
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<210> 82
 <211> 270
 <212> DNA
 <213> Homo sapiens

<400> 82
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 gggagtaccg ggcggtgacg gagctggggc ggcctgatgc cgagtactgg aacagccaga 180
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<210> 83
 <211> 270
 <212> DNA
 <213> Homo sapiens

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 gggagtaccg ggcggtgacg gagctggggc ggcctgatgc cgagtactgg aacagccaga 180
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<210> 84
 <211> 270
 <212> DNA
 <213> Homo sapiens

<400> 84
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 gggagtaccg ggcggtgacg gagctggggc ggcctgatgc cgagtactgg aacagccaga 180
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<210> 85
 <211> 266
 <212> DNA
 <213> Homo sapiens

<400> 85
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 gggactaccg ggcggtgacg gagctggggc ggcctgatgc cgagtactgg aacagccaga 180
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<210> 86
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 <212> DNA
 <213> Homo sapiens

<400> 86
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 gggagtaccg ggcggtgacg gagctggggc ggcctgatgc cgagtactgg aacagccaga 180
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 ttgtggagag cttcacagtg cagcgg 266

<210> 87
 <211> 266
 <212> DNA
 <213> Homo sapiens

<400> 87
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 gggagtaccg ggcggtgacg gagctggggc ggcctgatgc cgagtactgg aacagccaga 180
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<210> 88
 <211> 270
 <212> DNA
 <213> Homo sapiens

<400> 88
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 gggagtaccg ggcggtgacg gagctggggc ggcctgatgc cgagtactgg aacagccaga 180
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<210> 89
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 <212> DNA
 <213> Homo sapiens

<400> 89
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 gggagtaccg ggcggtgacg gagctggggc ggcctgatgc cgagtactgg aacagccaga 180
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<210> 90
 <211> 264
 <212> DNA
 <213> Homo sapiens

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 gggagtaccg ggcggtgacg gagctggggc ggcctgatgc cgagtactgg aacagccaga 180
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 ttgtggagag cttcacagtg cagc 264

<210> 91
 <211> 370
 <212> DNA
 <213> Homo sapiens

<400> 91
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 aagtataagt gtcatttctt caacgggacg gagcgggtgc agttcctgga aagactcttc 180
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cagcggcgag 370

<210> 92
<211> 246
<212> DNA
<213> Homo sapiens

<400> 92
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ttggtg 246

<210> 93
<211> 246
<212> DNA
<213> Homo sapiens

<400> 93
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gggagtaccg ggcgggtgacg gagctagggc ggcctgtcgc cgagtcctgg aacagccaga 180
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ttggtg 246

<210> 94
<211> 247
<212> DNA
<213> Homo sapiens

<400> 94
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gtaccgggcg gtgacggagc tagggcggcc tgcgcccag tcttggaaca gccagaagga 180
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tgagagc 247

<210> 95
<211> 258
<212> DNA
<213> Homo sapiens

<400> 95
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agttcctgga aagactcttc tataaccagg aggagttcgt gcgcttcgac agcgacgtgg 120
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aggacatcct ggaggacagg cggggccagg tggacaccgt gtgcagacac aactacgggg 240
ttggtgagag cttcacag 258

<210> 96
<211> 250
<212> DNA
<213> Homo sapiens

<400> 96

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 gggagtaccg ggcgggtgacg gagctagggc ggcctgtcgc ggagtactgg aacagccaga 180
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<210> 97

<211> 260

<212> DNA

<213> Homo sapiens

<400> 97

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 aggacatcct ggaggacagg cggggccagg tggacaccgt gtgcagacac aactacgggg 240
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<210> 98

<211> 283

<212> DNA

<213> Homo sapiens

<400> 98

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 gacagcgacg tgggggagta cggggcgggtg acggagctgg ggcggcctag cgccgagtag 180
 tggaaacagcc agaaggactt cctggaagac aggcggggccc tgggtggacac ctactgcaga 240
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<210> 99

<211> 270

<212> DNA

<213> Homo sapiens

<400> 99

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 gggagtaccg ggcgggtgacg gagctggggc ggcctagcgc cgagtactgg aacagccaga 180
 aggacttctt ggaagacagg cggggcctgg tggacaccta ctgcagacac aactacgggg 240
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<210> 100

<211> 370

<212> DNA

<213> Homo sapiens

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<210> 101

<211> 270

<212> DNA
<213> Homo sapiens

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aggacttctt ggaagacagg cgggccctgg tggacacctt ctgcagacac aactacgggg 240
ttggtgagag cttcacagtg cagcggcgag 270

<210> 102
<211> 258
<212> DNA
<213> Homo sapiens

<400> 102
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gagtaccggg cgggtacaga gctggggcgg cctgatgccg agtactggaa cagccagaag 180
gacttcttgg aagacaggcg ggccctggtg gacacctact gcagacacaa ctacgggggtt 240
ggtgagagct tcacggtg 258

<210> 103
<211> 283
<212> DNA
<213> Homo sapiens

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gacagcgacg tgggggagta ccgggcgggtg acggagctgg ggcggcctag cgccgagtac 180
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cacaactacg gggttggtga gagcttcaca gtgcagcggc gag 283

<210> 104
<211> 283
<212> DNA
<213> Homo sapiens

<400> 104
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gacagcgacg tgggggagta ccgggcgggtg acggagctgg ggcggcctga tgccgagtac 180
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cacaactacg gggttggtga gagcttcaca gtgcagcggc gag 283

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<212> DNA
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<210> 106
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<212> DNA
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<210> 107
<211> 270
<212> DNA
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<210> 108
<211> 245
<212> DNA
<213> Homo sapiens

<400> 108
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ttggt 245

<210> 109
<211> 271
<212> DNA
<213> Homo sapiens

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<210> 110
<211> 270
<212> DNA
<213> Homo sapiens

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<210> 111
<211> 240
<212> DNA
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<210> 112
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<210> 113
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<210> 114
<211> 260
<212> DNA
<213> Homo sapiens

<400> 114
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ttggtgagag cttcacggtg 260

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<211> 270
<212> DNA
<213> Homo sapiens

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270

<210> 116

<211> 254

<212> DNA

<213> Homo sapiens

<400> 116

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<210> 117

<211> 260

<212> DNA

<213> Homo sapiens

<400> 117

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<211> 242

<212> DNA

<213> Homo sapiens

<400> 118

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<210> 119

<211> 270

<212> DNA

<213> Homo sapiens

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<210> 120

<211> 246

<212> DNA

<213> Homo sapiens

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ttgtgagag cttcacagtg cagcggcgag 270

<210> 122
<211> 257
<212> DNA
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<210> 123
<211> 269
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ttgtgagag cttcacagtg cagcggcga 269

<210> 124
<211> 269
<212> DNA
<213> Homo sapiens

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<210> 125
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<212> DNA
<213> Homo sapiens

<400> 125

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gggagtaccg ggcggtgacg gagctggggc ggctagcgc cgagtactgg aacagccaga 180
aggacttctt ggaagacagg cgggccctgg tggacaccta ctgcagacac aactacgggg 240
ctgtggagag cttcacagtg cagcggcgag 270

<210> 126

<211> 270

<212> DNA

<213> Homo sapiens

<400> 126

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gggagtaccg ggcggtgacg gagctggggc ggctagcgc cgagtactgg aacagccaga 180
aggacatcct ggaagacagg cgggccctgg tggacaccta ctgcagacac aactacgggg 240
ttggtgagag cttcacagtg cagcggcgag 270

<210> 127

<211> 266

<212> DNA

<213> Homo sapiens

<400> 127

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gggagtaccg ggcggtgacg gagctggggc ggctgatgc cgagtactgg aacagccaga 180
aggacttctt ggaagacagg cgggcccgcg tggacaccta ctgcagacac aactacgggg 240
ttggtgagag cttcacagtg cagcgg 266

<210> 128

<211> 283

<212> DNA

<213> Homo sapiens

<400> 128

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gacagcgacg tgggggagta ccgggcggtg acggagctgg ggcggcctgt cgccgagtc 180
tggaacagcc agaaggactt cctggagcgg aggcgggccg aggtggacac cgtgtgcaga 240
cacaactacg gggttggtga gagcttcaca gtgcagaggc gag 283

<210> 129

<211> 270

<212> DNA

<213> Homo sapiens

<400> 129

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gggagtaccg ggcggtgacg gagctggggc ggctgacgc tgagtactgg aacagccaga 180
aggacttctt ggagcggagg cgggccgagg tggacaccgt gtgcagacac aactacgggg 240
ttggtgagag cttcacagtg cagaggcgag 270

<210> 130

<211> 370

<212> DNA

<213> Homo sapiens

<400> 130

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aagtttgagt gtcatttctt caacgggacg gagcgggtgc ggttgctgga aagacgcgtc	180
cataaccaag aggagtacgc gcgctacgac agcgacgtgg gggagtaccg ggcggtgacg	240
gagctggggc ggctgatgc cgagtactgg aacagccaga aggacctct ggagcggagg	300
cgtgccgcg tggacaccta ctgcagacac aactacgggg ttggtgagag cttcacagtg	360
cagcggcgag	370

<210> 131

<211> 270

<212> DNA

<213> Homo sapiens

<400> 131

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gggagtaccg ggcggtgacg gagctggggc ggctgatgc cgagtactgg aacagccaga	180
aggacctct ggagcggagg cgcccgcg tggacaccta ctgcagacac aactacgggg	240
ttggtgagag cttcacagtg cagcggcgag	270

<210> 132

<211> 370

<212> DNA

<213> Homo sapiens

<400> 132

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acgtctgagt gtcatttctt caatgggacg gagcgggtgc ggttcctgga cagatacttc	180
tataaccaag aggagtacgt gcgcttcgac agcgacgtgg gggagtccg ggcggtgacg	240
gagctggggc ggctgatga ggagtactgg aacagccaga aggacttctt ggaagacagg	300
cgggccgcg tggacaccta ctgcagacac aactacgggg ttggtgagag cttcacagtg	360
cagcggcgag	370

<210> 133

<211> 283

<212> DNA

<213> Homo sapiens

<400> 133

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gacagcgacg tgggggagtt ccggcggtg acggagctgg ggcggcctga tgaggagtac	180
tggaaacagc agaaggactt cctggaagac aggcgggccg cgggtggacac ctactgcaga	240
cacaactacg gggttggtga gagcttcacg gtgcagcggc gag	283

<210> 134

<211> 270

<212> DNA

<213> Homo sapiens

<400> 134

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gggagttccg ggcggtgacg gagctggggc ggctgatga ggagtactgg aacagccaga	180
aggacttctt ggaagacagg cgcccgcg tggacaccta ctgcagacac aactacgggg	240

ttggtgagag cttcacagtg cagcggcgag

270

<210> 135

<211> 268

<212> DNA

<213> Homo sapiens

<400> 135

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ttcttgaca gatacttcta taaccaagag gactacgtgc gcttcgacag cgactgggg 120
gagttccggg cggtagcgga gctggggcgg cctgatgagg agtactggaa cagccagaag 180
gacttcttgg aagacaggcg ggccgcgggtg gacacctact gcagacacaa ctacgggggt 240
ggtgagagct tcacagtgcg gcggcgag 268

<210> 136

<211> 283

<212> DNA

<213> Homo sapiens

<400> 136

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acggagcggg tgcggttctt ggacagatac ttctataacc aagaggagta cgtgcgcttc 120
gacagcgacg tgggggagtt ccgggcgggtg acggagctgg ggccggcctga tgaggagtac 180
tggaacagcc agaaggacat cctggaagac gagcggggcg cggtaggacac ctactgcaga 240
cacaactacg gggttgtgga gagcttcaca gtgcagcggc gag 283

<210> 137

<211> 370

<212> DNA

<213> Homo sapiens

<400> 137

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acgtctgagt gtcatttctt caatgggacg gagcgggtgc ggttcttga cagatacttc 180
tataaccaag aggagtacgt gcgcttcgac agcgacgtgg gggagttccg ggcggtgacg 240
gagctggggc ggctgatga ggagtactgg aacagccaga aggacttctt ggaagacgag 300
cgggccgagg tggacaccta ctgcagacac aactacgggg ttgtggagag cttcacagtg 360
cagcggcgag 370

<210> 138

<211> 370

<212> DNA

<213> Homo sapiens

<400> 138

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acgtctgagt gtcatttctt caatgggacg gagcgggtgc ggttcttga cagatacttc 180
tataaccaag aggagtacgt gcgcttcgac agcgacgtgg gggagttccg ggcggtgacg 240
gagctggggc ggctgatga ggagtactgg aacagccaga aggacttctt ggaagacagg 300
cgggccgagg tggacaccta ctgcagacac aactacgggg ttgtggagag cttcacagtg 360
cagcggcgag 370

<210> 139

<211> 283

<212> DNA

<213> Homo sapiens

<400> 139

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acggagcggg tgcggttctt ggacagatac ttctataacc aagaggagta cgtgcgcttc	120
gacagcgacg tgggggagtt ccgggcgggtg acggagctgg ggccggcctga tgaggagtac	180
tggaacagcc agaaggactt cctggaagac aggcgggccg cgggtggacac ctactgcaga	240
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<210> 140

<211> 270

<212> DNA

<213> Homo sapiens

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ggggagtcc gggcgggtgac ggagctgggg cggcctgatg aggagtactg gaacagccag	180
aaggacttcc tggaagacag gcgggccgcg gtggacacct actgcagaca caactacggg	240
gttggtgaga gcttcacagt gcagcggcga	270

<210> 141

<211> 268

<212> DNA

<213> Homo sapiens

<400> 141

cgtttcttgg agtactctac gtctgagtgt catttcttca atgggacgga gcgggtgcgg	60
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gagttccggg cggtagcgga gctggggcgg cctgatgagg agtactggaa cagccagaag	180
gacttcttgg aagacaggcg ggccgcggtg gacacctact gcagacacaa ctacggggct	240
gtggagagct tcacagtga gcggcgag	268

<210> 142

<211> 266

<212> DNA

<213> Homo sapiens

<400> 142

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cctggacaga tacttctata accaagagga gtacgtgcgc ttcgacagcg acgtggggga	120
gttccggggc gtacgggagc tggggcggcc tgatgaggag tactggaaca gccagaagga	180
cttcttgaa gacaggcggg ccgcggtgga cacctattgc agacacaact acgggggtgt	240
ggagagcttc acagtgcagc ggcgag	266

<210> 143

<211> 262

<212> DNA

<213> Homo sapiens

<400> 143

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gacagatact tctataacca agaggagtac gtgcgcttcg acagcgacgt gggggagttc	120
cgggcgggtga cggagctggg gcggcctgat gaggagtact ggaacagcca gaaggacctc	180
ctggagcaga agcggggccg ggtggacaac tactgcagac acaactacgg gtttggag	240
agcttcacag tgcagcggcg ag	262

<210> 144

<211> 238
<212> DNA
<213> Homo sapiens

<400> 144
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taaccaagag gagtacgtgc gcttcgacag cgacgtgggg gagttccggg cggtagcgga 120
gctggggcgg cctgatgagg agtactggaa cagccagaag gacctcctgg aagacaggcg 180
ggccgcggtg gacacctact gcagacacaa ctacgggggtt ggtgagagct tcacagtg 238

<210> 145
<211> 238
<212> DNA
<213> Homo sapiens

<400> 145
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taaccaagag gagtacgtgc gcttcgacag cgacgtgggg gagttccggg cggtagcgga 120
gctggggcgg cctgatgagg agtactggaa cagccagaag gacctcctgg aagacaggcg 180
ggccgcggtg gacacctact gcagacacaa ctacgggggtt ggtgagagct tcacggtg 238

<210> 146
<211> 231
<212> DNA
<213> Homo sapiens

<400> 146
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gagaacgtgc gcttcgacag cgacgtgggg gagttccggg cggtagcgga gctggggcgg 120
cctgatgagg agtactggaa cagccagaag gacctcctgg aagacaggcg ggccgcggtg 180
gacacctact gcagacacaa ctacgggggtt ggtgagagct tcacagtgca g 231

<210> 147
<211> 219
<212> DNA
<213> Homo sapiens

<400> 147
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caggaggagt tcgtgcgctt cgacagcgac gtggggggagt tccgggcggt gacggagctg 120
gggcggcctg atgaggagta ctggaacagc cagaaggact tcctggaaga caggcggggc 180
gcggtaggaca cctactgcag acacaactac ggggttgg 219

<210> 148
<211> 266
<212> DNA
<213> Homo sapiens

<400> 148
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cctggacaga tacttctata accaagagga gtacgtgcgc ttcgacagcg acgtggggga 120
gttccgggcg gtgacggagc tggggcggcc tgatgaggag tactggaaca gccagaagga 180
cttctggaa gacgagcggg ccgcggtgga cacctactgc agacacaact acgggggttg 240
tgagagcttc acagtgcagc ggcgag 266

<210> 149
 <211> 219
 <212> DNA
 <213> Homo sapiens

<400> 149
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 gggcggcctg atgaggagta ctggaacagc cagaaggact tcttgaaga caggcgggcc 180
 gcggtggaca cctactgcag acacaactac ggggttggt 219

<210> 150
 <211> 270
 <212> DNA
 <213> Homo sapiens

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 gggagttccg ggcggtgacg gagctggggc ggctgatga ggagtactgg aacagccaga 180
 aggacttctt ggaagacagg cgggccgagg tggacaccta ctgcagacac aactacgggg 240
 ttggtgagag cttcacagtg cagcggcgag 270

<210> 151
 <211> 282
 <212> DNA
 <213> Homo sapiens

<400> 151
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 acggagcggg tgcggttctt ggacagatac ttccataacc aggaggagt cgtgcgttc 120
 gacagcgacg tgggggagtt ccgggcggtg acggagctgg ggcggcctga tgaggagtac 180
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 cacaactacg gggttgtgga gagcttcaca gtgcagcggc ga 282

<210> 152
 <211> 283
 <212> DNA
 <213> Homo sapiens

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 gacagcgacg tgggggagtt ccgggcggtg acggagctgg ggcggcctga tgaggagtac 180
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 cacaactacg gggttgtgga gagcttcaca gtgcagcggc gag 283

<210> 153
 <211> 283
 <212> DNA
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 gacagcgacg tgggggagtt ccgggcggtg acggagctgg ggcggcctga tgaggagtac 180
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 cacaactacg gggttgtgga gagcttcaca gtgcagcggc gag 283

<210> 154
<211> 270
<212> DNA
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gggagttccg ggcgggtgacg gagctggggc ggcctgatga ggagtactgg aacagccaga 180
aggacatcct ggaagacgag cgggcccgcg tggacaccta ctgcagacac aactacgggg 240
ttgtggagag cttcacagtg cagcggcgag 270

<210> 155
<211> 283
<212> DNA
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<400> 155
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acggagcggg tgcggttctt ggacagatac ttccataacc aggaggagtt cgtgcgttc 120
gacagcgacg tgggggagta cggggcggtg acggagctgg ggcggcctga tgaggagtac 180
tggaacagcc agaaggacct cctggagcgg aggcggggcg aggtggacac ctattgcaga 240
cacaactacg gggttgtgga gagcttcaca gtgcagcggc gag 283

<210> 156
<211> 266
<212> DNA
<213> Homo sapiens

<400> 156
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cctggacaga tacttctata accaagagga gtacgtgcgc ttcgacagcg acgtggggga 120
gttcggggcg gtgacggagc tggggcggcc tgatgaggag tactggaaca gccagaagga 180
catcttgaa gacaggcggg ccgcggtgga cacctactgc agacacaact acggggttgt 240
ggagagcttc acagtgcagc ggcgag 266

<210> 157
<211> 266
<212> DNA
<213> Homo sapiens

<400> 157
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gttcggggcg gtgacggagc tggggcggcc tgatgaggag tactggaaca gccagaagga 180
catcttgaa gacaggcggg ccgcggtgga cacctactgc agacacaact acggggttgt 240
tgagagcttc acagtgcagc ggcgag 266

<210> 158
<211> 256
<212> DNA
<213> Homo sapiens

<400> 158
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gacagatact tccataacca ggaggagaac gtgcgcttcg acagcgacgt gggggagtgc 120
cgggcggtga cggagctggg gcggcctgat gaggagtact ggaacagcca gaaggacatc 180

ctggaagacg agcgggccgc ggtggacacc tactgcagac acaactacgg ggttggtgag 240
agcttcacag tgcagc 256

<210> 159
<211> 241
<212> DNA
<213> Homo sapiens

<400> 159
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gacagatact tctataacca agaggagtac gtgcgcttcg acagcgacgt gggggagttc 120
cgggcggtga cggagctggg gcggcctgat gaggagtact ggaacagcca gaaggacatc 180
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a 241

<210> 160
<211> 250
<212> DNA
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<400> 160
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gggagttccg ggcggtgac gagctggggc ggctgatga ggagtactgg aacagccaga 180
aggacttctt ggaagacagg cgggccgcgg tggacaccta ctgcagacac aactacgggg 240
ttggtgagag 250

<210> 161
<211> 247
<212> DNA
<213> Homo sapiens

<400> 161
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ggggagttcc ggcggtgac ggagctgggg cggcctgatg aggagtactg gaacagccag 180
aaggacttcc tggaagacag gcgggccctg gtggacacct actgcagaca caactacggg 240
gttgggtg 247

<210> 162
<211> 251
<212> DNA
<213> Homo sapiens

<400> 162
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ttccgggcgg tgacggagct ggggcggcct gatgaggagt actggaacag ccagaaggac 180
ttcctggaag acaggcgggc cgcggtggac acctactgca gacacaacta cggggttggg 240
gagagttca c 251

<210> 163
<211> 270
<212> DNA
<213> Homo sapiens

<400> 163

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ttgtggagag cttcacagtg cagcggcgag 270

<210> 164
<211> 240
<212> DNA
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<400> 164
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cgggcgggtga cggagctggg gcggcctgat gaggagtact ggaacagcca gaaggacctc 180
ctggagcaga ggcggggccgc ggtggacacc tactgcagac acaactacgg ggttggtgag 240

<210> 165
<211> 246
<212> DNA
<213> Homo sapiens

<400> 165
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gttcggggcg gtgacggagc tggggcggcc tgataggag tactggaaca gccagaagga 180
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tgagag 246

<210> 166
<211> 270
<212> DNA
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<400> 167
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<210> 168
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<212> DNA
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<400> 168

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<210> 169
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 <213> Homo sapiens

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<210> 172
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 cgggcggtga cggagctggg gcggcctgat gaggactact ggaacagcca gaaggacttc 180
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<210> 173
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<400> 173

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<211> 259

<212> DNA

<213> Homo sapiens

<400> 174

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cgggcggtga cggagctggg ggggcctgat gaggactact ggaacagcca gaaggacttc 180
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<210> 175

<211> 267

<212> DNA

<213> Homo sapiens

<400> 175

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<210> 176

<211> 270

<212> DNA

<213> Homo sapiens

<400> 176

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<210> 177

<211> 270

<212> DNA

<213> Homo sapiens

<400> 177

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<211> 270
<212> DNA
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ttgtgagag cttcacagtg cagcggcgag 270

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<211> 246
<212> DNA
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gggagttccg ggcggtgacg gagctggggc ggctgatga ggagtactgg aacagccaga 180
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ttgtgg 246

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<211> 266
<212> DNA
<213> Homo sapiens

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ttgtggagag cttcacagtg cagcggcgag 270

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<211> 270
<212> DNA
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ttgtggagag cttcacagtg cagcggcgag 270

<210> 183
<211> 370
<212> DNA
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<400> 183
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gagctggggc ggctgtcgc cgagtcctgg aacagccaga aggacatcct ggaagacagg 300
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cagcggcgag 370

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<211> 370<212> DNA
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<211> 270
<212> DNA
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gggagtccg ggcggtgacg gagctggggc ggctgtcgc cgagtcctgg aacagccaga 180
aggacttctt ggaagacagg cgcgccgagg tggacaccta ttgcagacac aactacgggg 240
ctgtggagag cttcacagtg cagcggcgag 270

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<211> 243
<212> DNA
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ttccgggagg tgacggagct gggggggcct gtcgccgagt cctggaacag ccagaaggac 180
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gag 243

<210> 187
<211> 266
<212> DNA
<213> Homo sapiens

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 aggacatcct ggaagacagg cgcgccgagg tggacaccta ctgcagacac aactacgggg 240
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<210> 188
 <211> 235
 <212> DNA
 <213> Homo sapiens

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 gcggtgacgg agctggggcg gcctgatgag gagtactgga acagccagaa ggacatcctg 180
 gaagacaggc gcgccgagg ggacacctat tgcagacaca actacggggc tgtgg 235

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 <211> 270
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<210> 190
 <211> 283
 <212> DNA
 <213> Homo sapiens

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<210> 191
 <211> 270
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cacaactacg gggttggtga gagcttcaca gtgcagcggc gag 283

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<211> 266
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aggacatcct ggaagacgag cgcgccgagg tggacaccta ctgcagacac aactacgggg	240
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<213> Homo sapiens

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<213> Homo sapiens

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<211> 268

<212> DNA

<213> Homo sapiens

<400> 201

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 <213> Homo sapiens

<400> 295
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 gggagtaccg ggcggtgacg gagctggggc ggcctgctgc ggagcactgg aacagccaga 180
 aggacctcct ggagcggagg cgggccgagg tggacaccta ttgcagacac aactacgggg 240
 ttgtggagag cttcacagtg cagcggcgag 270

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 gggagtaccg ggcggtgacg gagctggggc ggcctgatgc cgagtactgg aacagccaga 180
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 ttgtgagag cttcacagtg cagcggcgag 270

<210> 297
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 gggagtaccg ggcggtgacg gagctggggc ggcctgatgc cgagtactgg aacagccaga 180
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<210> 298
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<400> 298
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gggagttccg ggcggtgacg gagctggggc ggcctgatgc cgagtactgg aacagccaga 180
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 ttggtgagag cttcacagtg cagcggcgag 270

<210> 299
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 <212> DNA
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<400> 299
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 gggagtaccg ggcggtgacg gagctggggc ggcctgatgc tgagtactgg aacagccaga 180
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<210> 301
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 <212> DNA
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<400> 301
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 gggagtaccg ggcggtgacg gagctggggc ggcctgatgc tgagtactgg aacagccaga 180
 aggacatcct ggagcggagg cgggccgagg tggacaccta ttgcagacac aactacgggg 240
 ttgtggagag cttcacagtg cagcggcgag 270

<210> 302
 <211> 370
 <212> DNA
 <213> Homo sapiens

<400> 302
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 aagagggagt gtcatttctt caatgggacg gagcgggtgc ggttcctgga cagatacttc 180
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 cgggcccgcg tggacaccta ctgcagacac aactacgggg ttgtggagag cttcacagtg 360
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<210> 303
 <211> 266
 <212> DNA
 <213> Homo sapiens

<400> 303
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gggagttccg ggcggtgacg gagctggggc ggcctgacgc tgagtactgg aacagccaga 180
aggacatcct ggagcaggcg cgggccgcgg tggacaccta ctgcagacac aactacggag 240
ttgtggagag cttcacagtg cagcgg 266

<210> 304
<211> 266
<212> DNA
<213> Homo sapiens

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gggagttccg ggcggtgacg gagctggggc ggcctgacgc tgagtactgg aacagccaga 180
aggacatcct ggagcaggcg cgggccgcgg tggacaccta ttgcagacac aactacgggg 240
ttgtggagag cttcacagtg cagcgg 266

<210> 305
<211> 270
<212> DNA
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aggacatcct ggagcaggcg cgggccgcgg tggacaccta ctgcagacac aactacgggg 240
ttgtggagag cttcacagtg cagcggcgag 270

<210> 306
<211> 283
<212> DNA
<213> Homo sapiens

<400> 306
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acggagcggg tgcggttctt ggacagatac ttctataacc aggaggagtc cgtgcgcttc 120
gacagcgacg tgggggagtt ccgggcggtg acggagctgg ggcggcctga cgctgagtac 180
tggaacagcc agaaggacat cctggagcag gcgcgggccc cggtggacac ctactgcaga 240
cacaactacg gggttggtga gagcttcaca gtgcagcggc gag 283

<210> 307
<211> 220
<212> DNA
<213> Homo sapiens

<400> 307
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gggcggcctg atgccgagta ctggaacagc cagaaggaca tcttgagca ggcgcggggc 180
gcggtggaca cctactgcag acacaactac ggggttggtg 220

<210> 308
<211> 246
<212> DNA
<213> Homo sapiens

<400> 308

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ggttcctgga cagatacttc tataatcagg aggagtcctg gcgcttcgac agcgacgtgg 120
gggagttccg ggcgggtgacg gagctggggc ggcctgacgc tgagtactgg aacagccaga 180
aggacatcct ggagcaggcg cgggccgagg tggacaccta ctgcagacac aactacgggg 240
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<210> 309

<211> 283

<212> DNA

<213> Homo sapiens

<400> 309

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gacagcgacg tgggggagtt ccgggcgggtg acggagctgg ggcggcctga cgctgagtac 180
tggaacagcc agaaggacat cctggagcag gcgcggggccg cgggtggacac ctactgcaga 240
cacaactacg gggttgtgga gagcttcaca gtgcagcggc gag 283

<210> 310

<211> 255

<212> DNA

<213> Homo sapiens

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ttccgggcgg tgacggagct ggggcggcct gacgctgagt actggaacag ccagaaggac 180
ttcctggagc aggcgcgggc cgcggtggac acctactgca gacacaacta cggggttgtg 240
gagagcttca cagtg 255

<210> 311

<211> 261

<212> DNA

<213> Homo sapiens

<400> 311

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ttccgggcgg tgacggagct ggggcggcct gacgctgagt actggaacag ccagaaggac 180
ctcctggagc aggcgcgggc cgcggtggac acctactgca gacacaacta cggggttgtg 240
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<210> 312

<211> 262

<212> DNA

<213> Homo sapiens

<400> 312

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gacagatact tctataacca ggaggagtcc gtgcgttcg acagcgacgt gggggagttc 120
cgggcggcga cggagctggg gcggcctgac gctgagtact ggaacagcca gaaggacatc 180
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<210> 313

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 ttggtgagag cttcacagtg cagcggcgag 270

<210> 318
<211> 271
<212> DNA
<213> Homo sapiens

<400> 318
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gggagttcc gggcgggtgac ggagctgggg cggcctagcg ccgagtactg gaacagccag 180
aaggacatcc tggagcaggc gcgggccgcg gtggacacct actgcagaca caactacggg 240
gttgtggaga gcttcacagt gcagcggcga g 271

<210> 319
<211> 263
<212> DNA
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<400> 319
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gggagttccg ggcgggtgacg gagctggggc ggctgacgc tgagtactgg aacagccagg 180
acatcctgga gcaggcgcgg gccgcggtgg acacctactg cagacacaac tacgggggtg 240
tggagagctt cacagtgcag cgg 263

<210> 320
<211> 370
<212> DNA
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gtgctgagct cccactggc ttggctggg gacaccgac cacgtttcct gtggcagcct 120
aagagggagt gtcatttctt caatgggacg gagcgggtgc ggttcctgga cagatacttc 180
tataaccagg aggagtccgt gcgcttcga agcagctgg gggagtaccg ggcgggtgacg 240
gagctggggc ggctgacgc tgagtactgg aacagccaga aggacttctt ggaagacagg 300
cgcgccgagg tggacaccta ctgcagacac aactacgggg ttggtgagag cttcacagtg 360
cagcggcgag 370

<210> 321
<211> 255
<212> DNA
<213> Homo sapiens

<400> 321
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ttcctggaca gatacttcta taaccaggag gattccgtgc gtttcgacag cgacgtgggg 120
gagtaccggg cgggtgacgga gctggggcgg cctgacgctg agtactggaa cagccagaag 180
gacttctgg aagacaggcg ggccgcggtg gacacctact gcagacacaa ctacgggggtt 240
ggtgagagct tcaca 255

<210> 322
<211> 370
<212> DNA
<213> Homo sapiens

<400> 322

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 aagagggagt gtcatttctt caatgggacg gagcgggtgc ggttcttga cagatacttc 180
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 gagctggggc ggctgacgc tgagtactgg aacagccaga aggacctcct ggaagacagg 300
 cgcccgccg tggacaccta ctgcagacac aactacgggg ttggtgagag cttcacagtg 360
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<210> 323
 <211> 242
 <212> DNA
 <213> Homo sapiens

<400> 323
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 gtaccgggcg gtgacggagc tggggcgggc tgacgtgag tactggaaca gccagaagga 180
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 tg 242

<210> 324
 <211> 370
 <212> DNA
 <213> Homo sapiens

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 aagagggagt gtcatttctt caatgggacg gagcgggtgc ggttcttga cagatacttc 180
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 cagcggcgag 370

<210> 325
 <211> 235
 <212> DNA
 <213> Homo sapiens

<400> 325
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 gcggtgacgg agctggggcg gcctgacgt gagtactgga acagccagaa ggacttctg 180
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 cgggcggtga cggagctggg gcggcctgac gctgagtact ggaacagcca gaaggacatc 180
 ctggaagaca ggcgcgccgc ggtggacacc tactgcagac acaactacgg ggttgggtgag 240

<210> 327
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 <212> DNA

<213> Homo sapiens

<400> 327

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gggagtaccg ggcgggtgacg gagctggggc ggcctgacgc tgagtactgg aacagccaga	180
aggacatcct ggaagacagg cgcgccgagg tggacaccta ctgcagacac aactacgggg	240
ttggtgagag cttcacagtg ca	262

<210> 328

<211> 270

<212> DNA

<213> Homo sapiens

<400> 328

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gggagtaccg ggcgggtgacg gagctggggc ggcctgacgc tgagtactgg aacagccaga	180
aggacttcct ggaagacagg cgcgccgagg tggacaccta ctgcagacac aactacgggg	240
ttggtgagag cttcacagtg cagcggcgag	270

<210> 329

<211> 283

<212> DNA

<213> Homo sapiens

<400> 329

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gacagcgacg tgggggagta ccgggcgggtg acggagctgg ggcggcctgt cgcgagtc	180
tggaacagcc agaaggacct cctggagcag aagcggggcc ggggtggacaa ttactgcaga	240
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<210> 330

<211> 370

<212> DNA

<213> Homo sapiens

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<210> 331

<211> 264

<212> DNA

<213> Homo sapiens

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gacagcgacg tgggggagta ccgggcgggtg acggagctgg ggcggcctgt tgccgagtc	180
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<210> 333
<211> 264
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<211> 257
<212> DNA
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gggagtaccg ggcggtgacg gagctggggc ggcctgtcgc cgagtcctgg aacagccaga	180
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gggagtaccg ggcggtgagg gagctggggc ggcctgatgc cgagtactgg aacagccaga	180
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gggagtaccg ggcggtgacg gagctggggc ggcctgtcgc cgagtcctgg aacagccaga	180
aggacctcct ggagcagaag cggggccggg tggacaatta ctgcagacac aactacgggg	240
ttggtgagag cttcacagtg cagcgg	266

<210> 340
 <211> 266
 <212> DNA
 <213> Homo sapiens

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	gggagtaccg ggcggtgacg gagctggggc ggcctgtcgc cgagtcctgg aacagccaga	180
	aggacctcct ggagcagaag cggggccggg tggacaatta ctgcagacac aactacgggg	240
	ttggtgagag cttcacagtg cagcgg	266

<210> 341
 <211> 246
 <212> DNA
 <213> Homo sapiens

<400> 341

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 gggagtaccg ggcgggtgacg gagctggggc ggcctgtcgc cgagtcctgg aacagccaga 180
 aggacctcct ggagcagaag cggggccggg tggacaatta ctgcagacac aactacgggg 240
 ttggtg 246

<210> 342

<211> 370

<212> DNA

<213> Homo sapiens

<400> 342

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 aagtctgagt gtcattttctt caatgggacg gagcgggtgc ggttcttga gagacacttc 180
 cataaccagg aggagtacgc gcgcttcgac agcgacgtgg gggagtaccg ggcggtgagg 240
 gagctggggc ggcctgatgc cgagtactgg aacagccaga aggacctcct ggagcagaag 300
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<210> 343

<211> 283

<212> DNA

<213> Homo sapiens

<400> 343

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 gacagcgacg tgggggagta ccgggcgggtg agggagctgg ggcggcctga tgccgagtac 180
 tggaaacagcc agaaggacct cctggagcag aagcggggcc aggtggacaa ttactgcaga 240
 cacaactacg gggttggtga gagcttcaca gtgcagcggc gag 283

<210> 344

<211> 246

<212> DNA

<213> Homo sapiens

<400> 344

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 gggagtaccg ggcggtgagg gagctggggc ggcctgatgc cgagtactgg aacagccaga 180
 aggacctcct ggagcagaag cggggccagg tggacaatta ctgcagacac aactacgggg 240
 ttggtg 246

<210> 345

<211> 270

<212> DNA

<213> Homo sapiens

<400> 345

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 gggagtaccg ggcggtgagg gagctggggc ggcctgatgc cgagtactgg aacagccaga 180
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<210> 346
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<212> DNA
<213> Homo sapiens

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gggagtaccg ggcggtgagg gagctggggc ggcctgatgc ggagtactgg aacagccaga 180
aggacctcct ggagcagaag cggggccagg tggacaatta ctgcagacac aactacgggg 240
ttggtgagag cttcacagtg cagcggcgag 270

<210> 347
<211> 241
<212> DNA
<213> Homo sapiens

<400> 347
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cgggcgggtga gggagctggg gcggcctgat gccgagtact ggaacagcca gaaggacctc 180
ctggagcaga agcggggcca ggtggacaat tactgcagac acaactacgg ggttggtgag 240
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<210> 348
<211> 270
<212> DNA
<213> Homo sapiens

<400> 348
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gggagtaccg ggcggtgagg gagctggggc ggcctgatgc cgagtactgg aacagccaga 180
aggacctcct ggagcagaag cggggccggg tggacaacta ctgcagacac aactacgggg 240
ttgtggagag cttcacagtg cagcggcgag 270

<210> 349
<211> 261
<212> DNA
<213> Homo sapiens

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gagtaccggg cggtaggga gctggggcgg cctgatgccg agtactgga cagccagaag 180
gacctcctgg agcagaagcg gggccaggtg gacaattact gcagacacaa ctacggggtt 240
ggtgagagct tcacagtga g 261

<210> 350
<211> 246
<212> DNA
<213> Homo sapiens

<400> 350
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ggttcttgga gagacacttc cataaccagg aggagaacgc gcgcttcgac agcgacgtgg 120
gggagtaccg ggcggtgagg gagctggggc ggcctgatgc cgagtactgg aacagccaga 180

aggacctcct ggagcagaag cggggccagg tggacaatta ctgcagacac aactacgggg 240
ttggtg 246

<210> 351
<211> 242
<212> DNA
<213> Homo sapiens

<400> 351
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gagagacact tccataacca ggaggagtac gcgcgttcg acagcgacgt gggggagtag 120
cgggcgggtga gggagctggg gcggcctgtc gccgagtact ggaacagcca gaaggacctc 180
ctggagcaga agcggggcca ggtggacaat tactgcagac acaactacgg ggttggtgag 240
ag 242

<210> 352
<211> 246
<212> DNA
<213> Homo sapiens

<400> 352
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ggttcttgga gagacacttc cataaccagg aggagtacgc gcgcttcgac agcgacgtgg 120
gggagtaccg ggcggtgagg gagctggggc ggcttagcgc cgagtactgg aacagccaga 180
aggacctcct ggagcagaag cggggccagg tggacaatta ctgcagacac aactacgggg 240
ttggtg 246

<210> 353
<211> 257
<212> DNA
<213> Homo sapiens

<400> 353
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gggagtaccg ggcggtgacg gagctggggc ggctgtcgc cgagtcttg aacagccaga 180
aggacctcct ggagcagaag cggggccagg tggacaatta ctgcagacac aactacgggg 240
ttggtgagag cttcaca 257

<210> 354
<211> 283
<212> DNA
<213> Homo sapiens

<400> 354
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acggagcggg tgcggttctt ggagagacac ttccataacc aggaggagta cgcgcgttc 120
gacagcgacg tgggggagta cggggcggg acggagctgg ggcggcctga tgccgagtac 180
tggaacagcc agaaggacct cctggagcag aagcggggcc aggtggacaa ttactgcaga 240
cacaactacg gggttggtga gagcttcaca gtcagcggc gag 283

<210> 355
<211> 283
<212> DNA
<213> Homo sapiens

<400> 355

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gacagcgacg tgggggagta ccgggcgggtg agggagctgg ggcggcctga tgccgagtac	180
tggaacagcc agaaggacat cctggagcag aagcggggcc aggtggacaa ttactgcaga	240
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<210> 356

<211> 270

<212> DNA

<213> Homo sapiens

<400> 356

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ggttcttgga gagacacttc cataaccagg aggagtacgc gcgcttcgac agcgacgtgg	120
gggagtaccg ggcggtgagg gagctggggc ggcctgatgc cgagtactgg aacagccaga	180
aggacctctt ggagcagaag cggggccagg tggacaatta ctgcagacac aactacgggg	240
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<210> 357

<211> 270

<212> DNA

<213> Homo sapiens

<400> 357

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ggctcttgga gagacacttc cataaccagg aggagtacgc gcgcttcgac agcgacgtgg	120
gggagtaccg ggcggtgagg gagctggggc ggcctgatgc cgagtactgg aacagccaga	180
aggacctctt ggagcagaag cggggccagg tggacaatta ctgcagacac aactacgggg	240
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<210> 358

<211> 270

<212> DNA

<213> Homo sapiens

<400> 358

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gggagtaccg ggcggtgagg gagctggggc ggcctgatgc cgagtactgg aacagccaga	180
aggacctctt ggagcagaag cggggccagg tggacaatta ctgcagacac aactacgggg	240
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<210> 359

<211> 270

<212> DNA

<213> Homo sapiens

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gggagtaccg ggcggtgagg gagctggggc ggcctgatgc cgagtactgg aacagccaga	180
aggacctctt ggagcagaag cggggccagg tggacaccta ctgcagacac aactacgggg	240
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<210> 360

<211> 270

<212> DNA

<213> Homo sapiens

<400> 360

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aggacctcct ggagcagaag cggggccagg tggacaatta ctgcagacac aactacgggg	240
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<210> 361

<211> 270

<212> DNA

<213> Homo sapiens

<400> 361

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gggagtaccg ggcggtgagg gagctggggc ggctgtatgc cgagtactgg aacagccaga	180
aggacctcct ggagcagaag cggggccagg tggacaatta ctgcagacac aactacgggg	240
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<210> 362

<211> 283

<212> DNA

<213> Homo sapiens

<400> 362

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gacagcgacg tgggggagta ccgggcggtg acggagctgg ggcggcctgt cgccgagtc	180
tggaacagcc agaaggacct cctggagcag aagcggggcc aggtggacaa ttactgcaga	240
cacaactacg gggttgtgga gagcttcaca gtgcagcggc gag	283

<210> 363

<211> 270

<212> DNA

<213> Homo sapiens

<400> 363

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gggagtaccg ggcggtgacg gagctggggc ggctgtctgc cgagtcctgg aacagccaga	180
aggacctcct ggagcagaag cggggccagg tggacaatta ctgcagacac aactacggcg	240
ttgtggagag cttcacagtg cagcggcgag	270

<210> 364

<211> 246

<212> DNA

<213> Homo sapiens

<400> 364

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ggttccttga gagacacttc cataaccagg aggagttcgt gcgcttcgac agcgacgtgg	120
gggagtaccg ggcggtgacg gagctggggc ggctgtctgc cgagtcctgg aacagccaga	180
aggacctcct ggagcagaag cggggccagg tggacaatta ctgcagacac aactacgggg	240
ttgtgg	246

<210> 365

<211> 253
<212> DNA
<213> Homo sapiens

<400> 365
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cctggagaga tacttcata accaggagga gttcgtgcgc ttcgacagcg acgtggggga 120
gtaccgggcg gtgacggagc tggggcgcc tgtcgccgag tcctggaaca gccagaagga 180
cctcctggag cagaagcggg gccgggtgga caattactgc agacacaact acggggttgg 240
tgagagcttc aca 253

<210> 366
<211> 370
<212> DNA
<213> Homo sapiens

<400> 366
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gtgctgagct cccactggc ttggctggg gacaccaac cacgtttctt ggagcaggct 120
aagtgtgagt gtcatttct caatgggacg gagcgagtgt ggaacctgat cagatacatc 180
tataaccaag aggagtacgc gcgtacaac agtgacctgg gggagtacca ggcggtgacg 240
gagctggggc ggctgacgc tgagtactgg aacagccaga aggacctct ggagcggagg 300
cgggccgagg tggacaccta ctgcagatac aactacgggg ttgtggagag cttcacagtg 360
cagcggcgag 370

<210> 367
<211> 220
<212> DNA
<213> Homo sapiens

<400> 367
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aacagccaga aggacctct ggagcggagg cgggccgagg tgggcaccta ctgcagatac 180
aactacgggg ttgtggagag cttcacagtg cagcggcgag 220

<210> 368
<211> 283
<212> DNA
<213> Homo sapiens

<400> 368
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acggagcgag tgtggaacct gatcagatac atctataacc aagaggagta cgcgcgtac 120
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tggaaacgcc agaaggacct cctggagcgg aggcgggccg aggtggacac ctactgcaga 240
tacaactacg gggttgtgga gagcttcaca gtgcagcggc gag 283

<210> 369
<211> 370
<212> DNA
<213> Homo sapiens

<400> 369
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aagtgtgagt gtcatttct caatgggacg gagcgagtgt ggaacctgat cagatacatc 180
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gagctggggc ggcctgacgc tgagtactgg aacagccaga aggacctct ggagcggagg 300
 cgggccgagg tggacaccta ttgcagatac aactacgggg ttgtggagag cttcacagtg 360
 cagcggcgag 370

<210> 370
 <211> 270
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<210> 371
 <211> 270
 <212> DNA
 <213> Homo sapiens

<400> 371
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 aggacctct ggagcggagg cgggccgagg tggacaacta ctgcagatac aactacgggg 240
 ttgtggagag cttcacagtg cagcggcgag 270

<210> 372
 <211> 242
 <212> DNA
 <213> Homo sapiens

<400> 372
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 caggcgggtga cggagctggg gcggcctgac gctgagtact ggaacagcca gaaggacctc 180
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 ag 242

<210> 373
 <211> 270
 <212> DNA
 <213> Homo sapiens

<400> 373
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 aggacctct ggagcggagg cgggccgagg tggacaccta ctgcagatac aactacgggg 240
 ttgtggagag cttcacagtg cagcggcgag 270

<210> 374
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 374
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aggagtacgc gcgtacaac agtgacctgg gggagtacca ggcggtgacg gagctggggc 180
ggcctgacgc tgagtactgg aacagccaga aggacctcct ggagcggagg cgggccgagg 240
tggacaccta ctgcagatac aactacgggg ttgtggagag cttcacagtg cagcggcgag 300

<210> 375
<211> 370
<212> DNA
<213> Homo sapiens

<400> 375
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gtgtgagct cccactggc ttggctggg gacacccgac cacgtttctt gcagcaggat 120
aagtatgagt gtcatttctt caacgggacg gagcgggtgc ggttcttgca cagagacatc 180
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gagctggggc ggcctgacgc tgagtactgg aacagccaga aggacttcct ggaagacagg 300
cgcgcgcgg tggacaccta ctgcagacac aactacgggg ttggtgagag cttcacagtg 360
cagcggcgag 370

<210> 376
<211> 257
<212> DNA
<213> Homo sapiens

<400> 376
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gggagtaccg ggcggtgacg gagctggggc ggcctgacgc tgagtactgg aacagccaga 180
aggacttcct ggaagacagg cgggcccgcg tggacaccta ctgcagacac aactacgggg 240
ttggtgagag cttcaca 257

<210> 377
<211> 283
<212> DNA
<213> Homo sapiens

<400> 377
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acggagcggg tgcggttctt gcacagaggc atctataacc aagaggagaa cgtgcgttc 120
gacagcgacg tgggggagta cggggcgggt acggagctgg ggcggcctga cgtgagtac 180
tggaacagcc agaaggactt cctggaagac aggcgcgccc cgggtggacac ctactgcaga 240
cacaactacg gggttggtga gagcttcaca gtgcagcggc gag 283

<210> 378
<211> 250
<212> DNA
<213> Homo sapiens

<400> 378
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cgggcgggtga cggagctggg gcggcctgac gctgagtact ggaacagcca gaaggacttc 180
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<210> 379
<211> 283
<212> DNA
<213> Homo sapiens

<400> 379

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gacagcgacg tgggggagta ccgggcgggtg acggagctgg ggcggcctga cgctgagtac	180
tggaacagcc agaaggactt cctggaagac aggcgggccc tggaggacac ctactgcaga	240
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<210> 380

<211> 267

<212> DNA

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 <211> 813
 <212> DNA
 <213> Homo sapiens

<400> 116
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<210> 117
 <211> 1065
 <212> DNA
 <213> Homo sapiens

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 gctgcagga actacggcga tatctagaat cggcgtagt cctgaggaga acagtgtccc 540
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<210> 118
 <211> 949
 <212> DNA

<213> Homo sapiens

<400> 118

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<210> 119

<211> 813

<212> DNA

<213> Homo sapiens

<400> 119

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agccccaggg acagtgggca gaagatgtcc tgggaaataa gacatgggac agagagacca   180
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<210> 120

<211> 1067

<212> DNA

<213> Homo sapiens

<400> 120

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 <211> 1067
 <212> DNA
 <213> Homo sapiens

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<210> 122
 <211> 1064
 <212> DNA
 <213> Homo sapiens

<400> 122
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<210> 123
<211> 1067
<212> DNA
<213> Homo sapiens

<400> 123
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<211> 1061
<212> DNA
<213> Homo sapiens

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<210> 125
<211> 813
<212> DNA
<213> Homo sapiens

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<211> 812
<212> DNA
<213> Homo sapiens

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<212> DNA
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<211> 969
 <212> DNA
 <213> Homo sapiens

<400> 128

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 <213> Homo sapiens

<400> 129

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 <213> Homo sapiens

<400> 130

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<211> 920

<212> DNA

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<212> DNA

<213> Homo sapiens

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 ggcagacatt ccatgtttct gctgttgctg ctgctgctat tttgttatt attatttct 900
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<210> 143
 <211> 813
 <212> DNA

<213> Homo sapiens

<400> 143

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<210> 144

<211> 813

<212> DNA

<213> Homo sapiens

<400> 144

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<210> 145

<211> 813

<212> DNA

<213> Homo sapiens

<400> 145

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813

<210> 146

<211> 948

<212> DNA

<213> Homo sapiens

<400> 146

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<210> 147

<211> 813

<212> DNA

<213> Homo sapiens

<400> 147

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agccccaggg acagtgggca gaagatgtcc tgggaaataa gacatgggac agagagacca      180
gggacttgac agggaacgga aaggacctca ggatgacctt ggctcatatc aaggaccaga      240
aagaaggctt gcattccctc caggagatta gggctctgtga gatccatgaa gacaacagca      300
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<210> 148

<211> 813

<212> DNA

<213> Homo sapiens

<400> 148

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aagaaggctt gcattccctc caggagatta gggctctgtga gatccatgaa gacaacagca      300

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<210> 149
 <211> 813
 <212> DNA
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<400> 149
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 <212> DNA
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 ggggtggccac caggatttgc cgaggagagg agcagagggt cacctgctac atggaacaca 780
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<210> 151
 <211> 813
 <212> DNA
 <213> Homo sapiens

<400> 151

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<210> 152

<211> 813

<212> DNA

<213> Homo sapiens

<400> 152

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<210> 153

<211> 813

<212> DNA

<213> Homo sapiens

<400> 153

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<210> 154
 <211> 960
 <212> DNA
 <213> Homo sapiens

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<210> 155
 <211> 813
 <212> DNA
 <213> Homo sapiens

<400> 155
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<210> 156
 <211> 945
 <212> DNA
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<400> 156
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<212> DNA

<213> Homo sapiens

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